Jameco Electronics

Great Products. Awesome Prices.

Catalog 253 August 2005

Catalog 253
August 2005

JAMECO®
ELECTRONICS

Great Products, Awesome Prices!





JAMECO ValuePro

Look for the ValuePro Logo Throughout the Catalog!

ValuePro™







Break-Through Pricing on Electronic Components

- ✔ Lowest Prices Guaranteed
- ✔ Consistent Form, Fit and Function
- ✔ Highest-Quality Professional Grade
- ✔ Over 99% Shipped the Same Day

Just Added!
1,242 New Products

1-800-831-4242

www.Jameco.com

Catalog 253 August 2005

Here's Where to Find Over 1,200 New Products

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Catalog Update

At Jameco we strive to bring you the best products at the lowest prices. Throughout the catalog you will notice a number of changes designed to assist you in comparison shopping and quickly spotting key discounts!

Shop and Compare

We have made it easier for you to compare features and products as you shop. Many of our products are listed with side-by-side comparisons of similar products; a feature that other catalogs are not allowed by their suppliers to provide. For an example, take a look at our Texas Instruments ICs on pages 19-31.

Legends

Our products are color coded. Look for coded legends located on each page for easy reference of sale items, reduced prices, volume discounts and those "must have" new products.

Color Code Legend: New | Sale | Lower$ | QtySave

Find a Lower Price? We'll Match It, And Then Pay You Another 10%!



Here's a deal to beat all deals: if you ever find a print-advertised price that's lower than an identical item in our catalog, we'll not only match the lower price, we'll beat it by an additional 10%, right down to our cost! No fine print, no questions asked.

At Jameco Electronics, we bring our customers the best products at the absolute lowest prices. And we don't just say it, we guarantee it!





From the president's office to the shipping line, we all share a dedication to high quality and great value, and that translates into real, meaningful savings for you on every item we carry. Our buyers work tirelessly to bring you prices that are consistently 10% to 30% lower than market prices. And when we score a special deal with our suppliers, we're thrilled to pass even deeper discounts on to you.

The result? Everyone saves, and saves big with Jameco. Guaranteed!

Check Out These Money Saving Sample Price Comparisons*

Take a look through this sampling of recent price differences among our competitors, and calculate the substantial savings!

Pricing will fluctuate, so please be sure and double-check when making purchases. But always remember, with Jameco you'll always get the lowest price!

Product Description	Jameco® Part No.	Jameco Page #	Jameco® Price	Digi-Key® Corp.	Mouser® Electronics	Newark InOne®	Minimum Savings	Minimum Discount
Cap, Tant, 2.2uf, 35V	**33734CJ**	73	**$0.35**	$0.64	$0.47	$0.643	$0.12	25.5%
Capacitor, Mica, 1nF, 100V, 5%	**16011CJ**	71	**$1.19**	$3.16	$1.85	$2.52	$0.66	35.7%
Cermet Pot, 50k, 3362P-503	**254027CJ**	81	**$0.59**	$0.83	$0.83	$0.981	$0.24	28.9%
Connector BNC, Amphenol 31-2221	**223538CJ**	125	**$2.89**	$4.18	$3.90	$4.31	$1.01	25.9%
EEPROM, 93C46, DIP	**102058CJ**	15	**$0.35**	$0.43	Not offered	$0.521	$0.08	18.6%
Fan, 54CFM, 3.63" sq. x 1", 12VDC	**319193CJ**	157	**$7.95**	$31.14	$30.98	$27.46	$19.51	71.0%
Linear, LM317LM, SOIC	**193551CJ**	39	**$0.35**	$0.54	$0.43	$0.54	$0.08	18.6%
Logic, 74ACT138, DIP	**212038CJ**	21	**$0.23**	$0.52	$0.46	$0.396	$0.166	41.9%
Logic, 74AHC374, DIP	**214210CJ**	22	**$0.26**	$0.66	$0.49	$0.66	$0.23	46.9%
Logic, 74ALS240A, DIP	**245753CJ**	32	**$0.49**	$0.84	$0.99	$0.756	$0.266	35.2%
MOC3010 Opto-isolator	**26278CJ**	57	**$0.56**	$0.82	$0.86	$0.82	$0.26	31.7%
RCA Jack, Panel Mt, Rt Angle, Yellow	**220564CJ**	104	**$0.45**	$0.61	$0.53	$0.735	$0.08	15.1%
Relay, 4PDT, 5A, 12VDC	**291506CJ**	148	**$4.45**	$7.42	$7.06	$8.74	$2.61	37.0%
Term Block, 12 pos, 10mm	**215028CJ**	129	**$1.89**	$8.69	$3.00	$9.01	$1.11	37.0%
Toroid, 150uH, Vertical	**208320CJ**	82	**$4.35**	$6.24	$6.81	$6.81	$1.89	30.3%
Wire, 18AWG, Stranded, Black, UL1007	**125786CJ**	95	**$5.79**	$26.89	$12.65	$21.99	$6.86	54.2%
SN74LS245DW, SOIC	**309024CJ**	31	**$0.43**	$0.64	$1.20	$0.68	$0.21	32.8%
SN74LS374N, DIP	**308478CJ**	31	**$0.49**	$0.67	$0.67	$0.672	$0.18	26.9%
SN74LS393N, DIP	**308507CJ**	31	**$0.57**	$0.96	$0.97	$0.96	$0.39	40.6%
SN74LS541N, DIP	**308523CJ**	31	**$0.50**	$0.88	$0.89	$0.88	$0.38	43.2%
TP3054WM, SOIC	**291004CJ**	37	**$2.25**	$2.75	$2.75	$2.50	$0.25	10.0%

* This chart is a snapshot of single-unit prices taken from each party's website on June 2, 2005. Prices shown do not reflect added shipping & handling charges or any available discounts.

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Jameco ValuePro™ Products: A New Way to Save!

Now small and medium-sized OEMs have a competitive edge! Jameco's recently introduced **ValuePro** line of passive, electro-mechanical and interconnect products are high-quality electronic components, and they're guaranteed to be at the lowest prices you'll find. In fact, if you find a lower print-advertised price, we'll beat it by another 10%, right down to our cost.

JAMECO ValuePro
✓Awesome Prices
✓Consistent Quality
✓Professional Grade
✓Backed by Jameco

No more high-priced brand markup… no more costly layers of distribution… no more restrictive franchise agreements that hold to minimum prices. Instead, Jameco cuts out the costly markups and layers of distribution, and sells its products direct to you, so you can put the savings back in your wallet!

With over 30 years of experience sourcing and qualifying products from around the world, Jameco is distinctly qualified to provide the highest quality products. We're extremely selective in choosing our sources, so we'll protect you from counterfeit and poor-quality suppliers.

For over 30 years, Jameco has been focused on helping its customers save money. We continue to scour the world, looking for the best deals in quality electronic components and passing the savings to our customers. Jameco **ValuePro** is just another way we'll help you compete in this ever-changing economy. Be sure to look through this catalog for the thousands of **ValuePro** products available today at Jameco's awesome prices!

Save Big with Texas Instruments Products!*

Sure, you probably already know Jameco offers Texas Instruments products priced at least 6-20% off today's market prices. But did you know that is across our complete line of TI products? Just take a look below, and then turn to pages 19-31.

T.I. Part No.	Jameco® Part No.	Jameco Page #	Jameco® Price	Digi-Key® Corp.	Mouser® Electronics	Newark InOne®	Minimum Savings	Minimum Discount
SN74AC240N, DIP	**261614CJ**	19	**$0.32**	$0.72	$0.63	$0.72	$0.31	49.2%
SN74F245DW, SOIC	**283549CJ**	28	**$0.45**	$0.64	$0.66	$0.64	$0.19	29.7%
SN74HC4040D, SOIC	**252558CJ**	25	**$0.27**	$0.48	$0.41	$0.68	$0.14	34.1%
SN74HC574DW, SOIC	**252371CJ**	25	**$0.28**	$0.60	$0.32	$0.311	$0.031	10.0%
SN74HC590AN, DIP	**251635CJ**	25	**$0.41**	$0.52	$0.99	$0.52	$0.11	21.2%
SN74HCT244N, DIP	**250835CJ**	27	**$0.34**	$0.66	$0.41	Not offered	$0.07	17.1%

* This chart is a snapshot of single-unit prices taken from each party's website for these T.I. products on June 2, 2005. Prices shown do not reflect added shipping and handling charges or any available discounts.

Now with 6x More Robotics Products!

Jameco recently purchased www.RobotStore.com, and we will have six times more robotics products available this summer! Our mission will not change... we will search the world and bring to you the best in robotics parts, kits and service. The site is expanding fast, so be sure to visit us frequently.

JAMECO ROBOT STORE
www.RobotStore.com
1-800-374-5764

Special Offer – Save 10%

Phone in your first order before August 15, 2005 and receive a 10% discount. Be sure to mention VIP Number JRD.

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Analog, Discretes, Linear, Logic, Memory, MCUs, etc.

Optos & Illumination 57-67
Optoelectronic Components, LEDs, Lamps, Displays, etc.

Passives 68-89
Caps, Resistors, Potentiometers, Inductors, Crystals, etc.

Wire & Cable 90-102
Bulk Wire & Cable, Assemblies, Wire & Cable Management, etc.

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Adapters, Connectors, Terminal Blocks, Sockets, etc.

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Motors, Switches, Relays, Fans, Knobs, etc.

Fans & Cooling 156-159
DC Brushless and AC Tube Axial Fans, Guards, Filters, etc.

Power Supplies & Wall Adapters .. 160-193
Switching Power Supplies, Wall Adapters, etc.

Batteries 194-199
Batteries, Battery Packs, Clips, Holders, Chargers, etc.

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Parallel and Serial LCD Modules

Computer Products 202-219
Cards, Storage, Memory, Motherboards, Networking, etc.

Security 220-223
Cameras, Monitors, Video Capture, etc.

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Test & Measurement, Tools, Soldering Equipment, etc.

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PRICES

Prices are effective 7-11-05.
Prices and discounts are subject to change without notice.

Drop-in Replacement PLDs at the Lowest Jameco Prices!



Jameco is proud to offer this cost-effective full-line selection of quality Anachip / ICT Programmable Logic Devices (PLDs).

Anachip PEEL™ (Programmable Electrically Erasable Logic) technology will provide the "glue" to tie the sophisticated components in your design together. But the real Anachip advantage is its drop-in replacement capability for products made by former competitors like AMD, Intel, Philips, NSC and Cypress, who no longer manufacturer PLDs. Check out our complete product cross-reference at www.Jameco.com / Anachip!

With a wide selection of TSSOP, PLCC, SOIC and PDIP packages, Anachip technology and Jameco pricing, you've now got a trusted, value-conscious source of high-quality PLDs!

See page 18 for complete selection.

News Flash: Twice the Flash Memory Selection at Jameco!

For nearly any project or purpose, from embedded applications to portable devices, Jameco is working to become your one-stop source for flash memory components! We've doubled our listings in this hot category, including standard voltage and power-sipping low-voltage flash. More flash memory is here, from the leader in quality, service and value, Jameco!



Expanded line on pages 16-17.

Take a Trip Down Jameco's Expanded Memory Lane!

Fast, rock-solid RAM is only a toll-free call away! We've doubled our inventory of high-quality SRAMs, including new choices in asynchronous, synchronous, dual-port, low-power and FIFOs. With our unmatched service and unbeatable prices, when you think of SRAM, remember Jameco!



Check out what we've added; see pages 17-18.

More Choices in Programmable ROM, All at Great Prices!

More programmable memory from Jameco means more flexibility and economy for your designs! In this catalog we've included an even broader line, including 50 new 2-wire serial EEPROMs, 20 SPI serial EEPROMs, 20 parallel EEPROMs, 40 new EPROMs and 20 new low-power EPROMs.

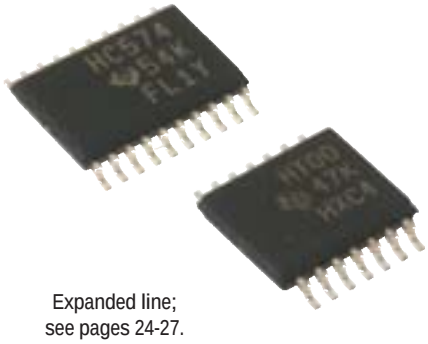
All are trusted brands, including ATMEL, ST Micro, Catalyst and Microchip. And, to meet the needs of today's designs, most of our new EEPROMs are low-power 1.8V or 2.7V units!



See pages 14-16 for our expanded line.

Score the Best Value in TSSOP, ASAP!

In support of today's surface-mount design demands, Jameco has added a new package choice to the very popular 74HCxxx and 74HCTxxx logic families: TSSOP (Thin Shrink Small-Outline Package). Check it out! Over 90 new TSSOP packages have been added to our already broad PDIP and SOIC selection. You asked for it, and you've got it, from your quality, service and value leader, Jameco!



Expanded line; see pages 24-27.

Contact Information

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E-mail: sales@Jameco.com

Website: www.Jameco.com

International Order Desk
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Fax: 650-592-2503
E-mail: international@Jameco.com

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Indonesia: 1-803-015-237-6948
Brazil: 000-817-455-6119
New Zealand: 080-044-0470

Nobody Brings You More in Table-Top & Wall-Mount Power Supplies: Guaranteed!

It's official: The Jameco catalog now offers the broadest selection of table-top and wall-mount power supplies of all catalog distributors! Whatever your need in power supplies, whatever your application or specs, count on Jameco to deliver the perfect solution for your design!



Check out our expanded selection on pages 178-188.

MEAN WELL Power Supplies: Quality, Reliability and Advanced Features for Less



Power up your development cycle with our full selection of Mean Well power supplies! In this catalog, we've added 151 new enclosed, DIN Rail, open-frame, table-top and wall-mount units, rounding out our offering with your most-requested configurations.

We've chosen 12 new Mean Well DIN-Rail power supplies, covering 30-watt, 60-watt and 480-watt 3-phase output for high-demand industrial and automation applications. Plus, you'll find the new Mean Well 600-watt and 800-watt families of enclosed power supplies, all with the ability to connect in parallel for higher-current, N + 1 applications. Extra bonuses include PFC (Power Factor Correction), remote sensing, remote on / off and a "Power Good" signal. All this, backed by the service, support and the "power" of Jameco's awesome prices!

We've added more power; see pages 171-174.

Catch the Latest "Wave" in Oscilloscope Technology!



Carry 21st century 'scope technology in your pocket! Jameco now offers two new high-performance handheld digital oscilloscopes. A single-channel, 12MHz bandwidth, 40M sample per second unit, and a two-channel, 30MHz bandwidth, 240M sample per second mini-powerhouse. But there's more! Both scopes come with a free 2000-count digital multimeter to round out your portable measurement and monitoring tool kit!

See page 229 for complete specifications.

Cool it!



The catalog you're holding contains the broadest selection of DC and AC fans of all catalog distributors, bar none! That means when it comes to cooling solutions for your designs, there's no reason to look anywhere else for the fan you need. Whatever your application, it's our goal to bring you the ideal solution that's a perfect fit in price, perfomance, form and function. And they're also very COOL!

Complete listing on pages 156-159.

Compare the Value & You'll Choose Jameco!

We've added two new low-cost "clamp" digital multimeters from Extech! One is an AC current, AC & DC voltage and resistance model, and the other adds capabilities for DC current, capacitance, frequency and temperature measuring. Both are packed with value and performance, featuring auto ranging, auto-power-off and "data hold." And both are now available to you at Jameco's low, low prices!



For details see page 227.

Check Out Our Expanded Line of Infrared LEDs and Detectors!



We've expanded our offering of the most popular and versatile infrared LEDs and IR phototransistors, similar to Fairchild's QE and QS series. And with Jameco's 99% in-stock guarantee, you can be sure the IR emitters and detectors you need are all just a toll-free call away, and at prices that can't be beat!

Expanded line on page 65.

Burned Out on Incandescents? We Now Offer LED Replacements!



Swap out those power-hungry incandescent bulbs for long-lasting, low-power, low-maintenance LEDs! New in this catalog: check out our Dialight-equivalent panel-mount LEDs, designed to replace incandescent lamps. We now stock T1-¾ midget flange multi-chip based LEDs, T3-¼ cluster based miniature bayonets (BA9's) and T3-¼ bayonet base units!

Check out what we've added; see page 65.

Make the ValuePro™ Connection, Molex Micro-Fit™ style!

These **ValuePro** connectors are fantastic replacements for the very popular family of Molex Micro-Fit 3.0, but at Jameco's awesome prices! We have a super selection of these connectors, allowing you to economize without compromise to your designs! All the features you expect are there with ValuePro: Press-Fit or Surface Mount versions, fully polarized housings, and rock-solid latching. The only real difference you'll find is on your bottom line!



Complete listing on page 112.

More LEDs to Light Up Your Life!

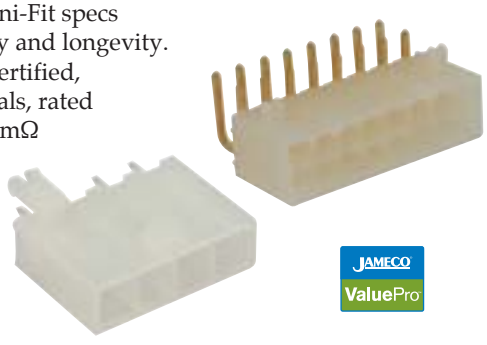


Jameco **ValuePro** LEDs... Top quality, hand-selected families of the best LEDs our expert buyers can find, at prices that will save you real money. In this catalog, we've continued to expand our listings to include even more of the varieties you need!

See pages 58-60 for complete selection.

Choose Molex Mini-Fit™ Equivalents for Maximum Performance and Savings!

Don't let the "mini" fool you: our Molex Mini-Fit Jr. equivalents deliver high performance and maximum reliability in a proven package! Simplify your tooling and standardize around Mini-Fit specs for rock-solid, unmatched reliability and longevity. These sets are UL approved, CSA certified, TUV licensed, fully isolated terminals, rated for up to 9 amps per circuit with 10mΩ contact resistance for both power and signal applications. "Lock-on" to great value and industry-leading performance with **ValuePro** connectors!



Newly expanded line see page 115.

More Toroids, Chokes & Inductors!



In this catalog, we've added over 200 JW Miller-equivalent inductors, chokes and toroids to our growing **ValuePro** line. Now you'll find over 150 toroid equivalents to the JW Miller 2100, 2200 and 2300 series in both horizontal and vertical mounts. And there's more! These pages contain over 50 conformal coated chokes, equivalents to the popular JW Miller 77F, 78F and 9230, 9250 series. All are priced to save you money!



Expanded line on pages 82-84.

The ValuePro™ Advantage

What does it mean when you see the Jameco **ValuePro** brand on a product? It means you've found a hand-selected, proven-performance part at a price that simply cannot be matched. We guarantee it! If it says **ValuePro**, you can trust in the quality, price, performance and compatibility of every item, every time, all backed by Jameco!



MTA .100" + Jameco = The Value Connection!

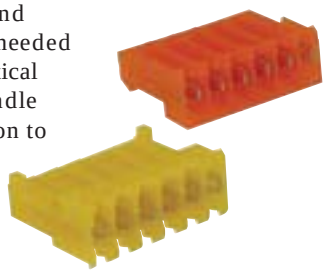
Make your critical connections with the trusted performance of MTA .100" connectors! Upgrade your designs with the outstanding features of this connector system, including no-strip, one-step assembly, simpler maintenance and repair, and straightforward functionality that reduces wiring errors. And with Jameco, you can always connect with the lowest prices and the best service in the industry!



Complete listing on pages 110-111.

Better Connections Are a "Snap" With MTA .156" Connectors!

MTA .156" connectors offer the reliability, durability and consistency you demand, and Jameco offers the most-needed sizes and configurations to help you make all your critical connections. These sets feature quad connectors to handle higher currents, preloaded IDC contacts, pre-lubrication to prevent fretting corrosion, and all the other benefits you've come to expect from the very best connectors and headers available!



New connectors on page 113.

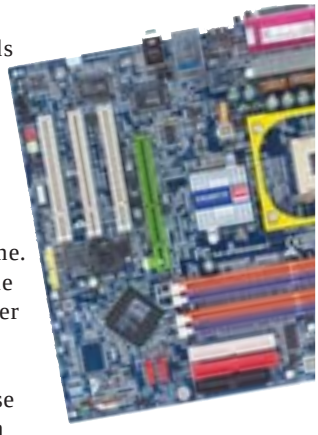
Western Digital: Don't Pass Up a "Hard" Bargain!

When you're ready to add or replace a hard drive, be sure to turn to page 203 and learn why Western Digital drives are a better value when purchased from Jameco! Jameco's awesome low prices will keep your expenses lean, while WD's quality and reliability will keep your precious data safe. We carry a full selection of 3-1/2" SATA, UATA and EIDE drives, as well as select compact 2-1/2" drives. See page 203 for our complete selection.



Keep That Old PC Current With a Hot New MoBo!

GIGA-BYTE motherboards provide terrific performance and can breathe new life into an aging machine. Your machine will run cooler and costs will be lower because many system components are integrated right onto the board. Use your old processor/memory or upgrade (check our listings on page 202). You can also add mods and power-user add-on boards or stick with the integrated components, it's your choice. And you can get it all at Jameco, your source for value and quality in PC performance!



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Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Microchip PIC Microcontrollers DIP SOIC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
310973CJ	PIC10F200-I/P	DIP-8	Flash	4	384	16	4	$.88	$.82
310981CJ	PIC10F202-I/P	DIP-8	Flash	4	768	24	4	1.03	.94
311010CJ	PIC10F204-I/P	DIP-8	Flash	4	384	16	4	1.02	.94
311028CJ	PIC10F206-I/P	DIP-8	Flash	4	768	24	4	1.16	1.08
145040CJ	PIC12C508A-04/P	DIP-8	OTP	4	512	25	5	1.49	.99
145058CJ	PIC12C509A/JW	DIP-8	EPROM	4	1k	41	5	12.95	12.28
144258CJ	PIC12C509A-04/P	DIP-8	OTP	4	1k	41	5	1.49	1.09
193455CJ	PIC12C671-04/P	DIP-8	OTP	4	1k	128	6	2.79	2.42
193463CJ	PIC12C672-04/P	DIP-8	OTP	4	2k	128	6	2.79	2.41
200475CJ	PIC12CE518-04/P	DIP-8	OTP	4	512	25	6	1.79	1.55
200483CJ	PIC12CE519-04/P	DIP-8	OTP	4	1k	41	6 ~~$1.99~~	1.89	1.69
248137CJ	PIC12CE673-10/P	DIP-8	OTP	10	1k	128	5	3.39	3.19
248145CJ	PIC12CE674-10/P	DIP-8	OTP	10	2k	128	5	3.45	2.99
223790CJ	PIC12F629-I/P	DIP-8	Flash	20	1k	64	6	1.59	1.39
247193CJ	PIC12F629-I/SN	SOIC-8	Flash	20	1k	64	6	1.59	1.41
312493CJ	PIC12F635-I/P	DIP-8	Flash	20	2k	64	6	1.79	1.66
312506CJ	PIC12F635-I/SN	SOIC-8	Flash	20	2k	64	6	1.79	1.66
223781CJ	PIC12F675-I/P	DIP-8	Flash	20	1k	64	6	1.99	1.69
247206CJ	PIC12F675-I/SN	SOIC-8	Flash	20	1k	64	6	1.95	1.83
312514CJ	PIC12F683-I/P	DIP-8	Flash	20	4k	128	6	2.19	2.05
312522CJ	PIC12F683-I/SN	SOIC-8	Flash	20	4k	128	6	2.19	2.05
247361CJ	PIC14000-4/SP	DIP-28	OTP	4	4k	192	22	11.99	11.45
247370CJ	PIC14000-4/SO	SOIC-28	OTP	4	4k	192	22	11.65	11.55
128338CJ	PIC16C54A-04/P	DIP-18	OTP	4	512	25	12	3.59	2.59
247214CJ	PIC16C54C-20I/P	DIP-18	OTP	20	512	25	12	2.35	2.05
247222CJ	PIC16C54C-20I/SO	SOIC-18	OTP	20	512	25	12	2.35	2.15
247231CJ	PIC16C54C-20I/SS	SSOP-20	OTP	20	512	25	12	2.55	2.35
200416CJ	PIC16C55A-04/P	DIP-28	OTP	4	512	24	20	2.69	2.23
247249CJ	PIC16C55A-20I/P	DIP-28	OTP	20	512	24	20	2.95	2.91
247257CJ	PIC16C55A-20/SO	SOIC-28	OTP	20	512	24	20	3.05	2.75
134172CJ	PIC16C56-RC/P	DIP-18	OTP	20	1k	25	12	4.49	3.69
247265CJ	PIC16C56A-20I/P	DIP-18	OTP	20	1k	25	12	2.85	2.55
247273CJ	PIC16C56A-20/SO	SOIC-18	OTP	20	1k	25	12	2.65	2.35
213495CJ	PIC16C57C/JW✪	DIP-28	EPROM	40	2k	72	20	13.95	12.95
193341CJ	PIC16C57C-04/P	DIP-28	OTP	4	2k	72	20	3.19	2.09
247281CJ	PIC16C57C-20/P	DIP-28	OTP	20	2k	72	20	3.45	3.05
247290CJ	PIC16C57C-20/SO	SOIC-28	OTP	20	2k	72	20	3.65	3.25
247302CJ	PIC16C58B-20/P	DIP-18	OTP	20	2k	73	12	2.75	2.45
247311CJ	PIC16C58B-20/SO	SOIC-18	OTP	20	2k	73	12	2.85	2.55
247433CJ	PIC16C62B-20/SO	SOIC-28	OTP	20	2k	128	22	4.45	3.95
247425CJ	PIC16C62B-20/SP	DIP-28	OTP	20	2k	128	22	4.45	3.95
193324CJ	PIC16C63A-20/SP	DIP-28	OTP	20	4k	192	22	5.49	4.84
247450CJ	PIC16C65B-20I/L	PLCC-44	OTP	20	4k	192	33	7.85	7.75
247441CJ	PIC16C65B-20I/P	DIP-40	OTP	20	4k	192	33	6.79	5.81
200424CJ	PIC16C66-04/SP	DIP-18	OTP	4	8k	368	22	7.45	6.45
247476CJ	PIC16C66-20I/SO	SOIC-28	OTP	20	8k	368	22	8.75	7.75
247468CJ	PIC16C66-20I/SP	DIP-28	OTP	20	8k	368	22	8.75	7.75
247492CJ	PIC16C67-20/L	PLCC-44	OTP	20	8k	368	33	9.15	8.95
247484CJ	PIC16C67-20/P	DIP-40	OTP	20	8k	368	33	8.75	7.75
200432CJ	PIC16C72A-04/SP	DIP-28	OTP	4	2k	128	22	4.79	4.39
247695CJ	PIC16C72A-20I/P	DIP-28	OTP	20	2k	128	22	5.85	5.15
247708CJ	PIC16C72A-20I/SO	SOIC-28	OTP	20	2k	128	22	5.85	5.15
200441CJ	PIC16C73A-04/SP	DIP-28	OTP	4	4k	192	22	8.65	7.79
145091CJ	PIC16C74A/JW	DIP-40	EPROM	20	14k	192	33	19.95	17.99
200459CJ	PIC16C505-04/P	DIP-14	OTP	20	1k	72	12	1.99	1.29
247329CJ	PIC16C505-20I/P	DIP-14	OTP	20	1k	72	11	2.05	1.87
247337CJ	PIC16C505-20I/SL	SOIC-14	OTP	20	1k	72	11	1.99	1.78
247388CJ	PIC16C554-4/P	DIP-18	OTP	4	512	80	13	3.75	3.72
247396CJ	PIC16C554-4/SO	SOIC-18	OTP	4	512	80	13	3.85	3.80
247409CJ	PIC16C558-20/P	DIP-18	OTP	20	2k	128	13	4.99	4.84
247417CJ	PIC16C558-20/SO	SOIC-18	OTP	20	2k	128	13	4.95	4.92
247505CJ	PIC16C620A-20I/P	DIP-18	OTP	20	512	96	13	2.25	2.05
247513CJ	PIC16C620A-20I/SO	SOIC-18	OTP	20	512	96	13	2.35	2.05
247521CJ	PIC16C621A-20I/P	DIP-18	OTP	20	1k	96	13	2.55	2.49
247530CJ	PIC16C621A-20I/SO	SOIC-18	OTP	20	1k	96	13	2.59	2.53
193383CJ	PIC16C622A-04/P	DIP-18	OTP	4	2k	128	13	2.69	2.29

✪ Blue Part No. = Limited Quantity Available

Microchip PIC Microcontrollers SSOP PLCC TQFP

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
247548CJ	PIC16C622A-20I/P	DIP-18	OTP	20	2k	128	13	$3.15	$2.96
247556CJ	PIC16C622A-20I/SO	SOIC-18	OTP	20	2k	128	13	3.25	2.85
247581CJ	PIC16C710-20/P	DIP-18	OTP	20	512	36	13	3.95	3.05
193359CJ	PIC16C711-04/P	DIP-18	OTP	4	1k	68	13	3.99	2.29
247599CJ	PIC16C711-20/P	DIP-18	OTP	20	1k	68	13	4.65	3.60
247601CJ	PIC16C711-20/SO	SOIC-18	OTP	20	1k	68	13	4.75	3.66
247610CJ	PIC16C712-20/P	DIP-18	OTP	20	1k	128	13	3.45	2.85
247628CJ	PIC16C712-20/SO	SOIC-18	OTP	20	1k	128	13	3.55	2.95
200467CJ	PIC16C715-04/P	DIP-18	OTP	4	2k	128	13	4.49	4.09
247636CJ	PIC16C715-20/P	DIP-18	OTP	20	2k	68	13	4.75	3.66
247644CJ	PIC16C715-20/SO	SOIC-18	OTP	20	2k	68	13	4.85	4.05
247652CJ	PIC16C716-20I/P	DIP-18	OTP	20	2k	128	13	4.25	3.25
247661CJ	PIC16C716-20I/SO	SOIC-18	OTP	20	2k	128	13	4.25	3.35
247679CJ	PIC16C717-I/P	DIP-20	OTP	20	2k	256	16	4.15	3.15
247687CJ	PIC16C717-SO	SOIC-20	OTP	20	2k	256	16	3.75	2.95
247804CJ	PIC16C745-I/SO	SOIC-28	OTP	24	8k	256	22	5.15	3.95
247791CJ	PIC16C745-I/SP	DIP-28	OTP	24	8k	256	22	5.15	3.95
247821CJ	PIC16C765-I/L	PLCC-44	OTP	24	8k	256	33	6.39	5.99
247812CJ	PIC16C765-I/P	DIP-40	OTP	24	8k	256	33	6.09	4.71
247716CJ	PIC16C770-I/P	DIP-20	OTP	20	2k	256	16	4.15	3.15
247724CJ	PIC16C770-SO	SOIC-20	OTP	20	2k	256	16	3.69	2.85
247732CJ	PIC16C771-I/P	DIP-20	OTP	20	2k	256	16	4.45	3.45
247741CJ	PIC16C771-I/SO	SOIC-20	OTP	20	2k	256	16	4.55	3.45
247759CJ	PIC16C773-I/SP	DIP-28	OTP	20	4k	256	22	7.05	6.25
247767CJ	PIC16C773-I/SO	SOIC-28	OTP	20	4k	256	22	7.05	6.25
247783CJ	PIC16C774-I/L	PLCC-44	OTP	20	4k	256	33	9.65	9.59
247775CJ	PIC16C774-I/P	DIP-40	OTP	20	4k	256	33	8.49	7.56
247847CJ	PIC16C923-04I/L	PLCC-68	OTP	4	4k	176	52	6.75	6.41
312531CJ	PIC16F54-I/P	DIP-18	Flash	20	512	25	12	1.79	1.73
312549CJ	PIC16F54-I/SO	SOIC-18	Flash	20	512	25	12	1.79	1.73
312557CJ	PIC16F57-I/P	DIP-28	Flash	20	2k	72	20	2.39	2.29
312565CJ	PIC16F57-I/SO	SOIC-28	Flash	20	2k	72	20	2.29	2.21
312661CJ	PIC16F72-I/SO	SOIC-18	Flash	20	2k	128	13	3.15	2.90
312653CJ	PIC16F72-I/SP	DIP-28	Flash	20	2k	128	13	3.15	2.90
193391CJ	PIC16F73-I/SP	DIP-28	Flash	20	4k	192	5	5.19	4.19
246801CJ	PIC16F73-I/SO	SOIC-28	Flash	20	4k	192	22	5.15	4.55
246810CJ	PIC16F73-I/SS	SSOP-28	Flash	20	4k	192	22	5.25	4.65
246772CJ	PIC16F74-I/L	PLCC-44	Flash	20	4k	192	33	6.95	6.45
193404CJ	PIC16F74-I/P	DIP-40	Flash	20	4k	192	8	6.19	5.47
246781CJ	PIC16F74-I/P	TQFP-44	Flash	20	4k	192	33	7.45	6.55
246828CJ	PIC16F76-I/SO	SOIC-28	Flash	20	8k	368	22	6.35	5.65
193412CJ	PIC16F76-I/SP	DIP-28	Flash	20	8k	368	5	6.49	5.65
246836CJ	PIC16F76-I/SS	SSOP-28	Flash	20	8k	368	22	6.49	5.79
246799CJ	PIC16F77-I/L	PLCC-44	Flash	20	8k	368	33	7.85	7.34

Programming & Customizing PICmicro Microcontrollers



Second Edition

McGraw-Hill Details the features of the PICmicro® and how to use these embedded chips to access and control many different devices. Shows what happens within the PICmicro® when an instruction is executed and how it interfaces with external devices. (1190 pages, 2001)

Includes: CD-ROM and PIC PCB

Part No.	Description	Size	Wt. (lbs.)	Price
183046CJ	PICmicro Programming	9.2" x 7.3"	4.0	$49.95

Time'n and Count'n



Intermediate Level PIC Applications

Square 1 Publishing This book previously appeared in PIC'n Techniques book. The more current PIC16F870 is substituted for the PIC16C63. Topics such as test equipment for timing & counting experiments to using timer 1 & 2, and capture/compare/PWM as well as programs are included in this book. (218 pages, 2002)

Part No.	Description	Size	Wt. (lbs.)	Price
210489CJ	Time'n and Count'n	8.5" x 11.0"	1.4	$34.95

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

PIC Microcontrollers DIP SOIC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
193421CJ	PIC16F77-I/P	DIP-40	Flash	20	8k	368	8	$7.09	$5.89
145111CJ	PIC16F84-04/P	DIP-18	Flash	4	1k	68	13	6.59	4.39
145120CJ	PIC16F84-10/P	DIP-18	Flash	10	1k	68	13	7.09	6.49
193332CJ	PIC16F84A-20/P	DIP-18	Flash	20	1k	68	13	5.79	4.79
246844CJ	PIC16F84A-20/SO	SOIC-18	Flash	20	1k	68	13	5.75	5.05
246852CJ	PIC16F84A-20/SS	SSOP-20	Flash	20	1k	68	13	6.15	5.75
246861CJ	PIC16F84A-20I/P	DIP-18	Flash	20	1k	68	13	6.25	5.55
246879CJ	PIC16F84A-20I/SO	SOIC-18	Flash	20	1k	68	13	6.35	5.55
246887CJ	PIC16F84A-20I/SS	SSOP-20	Flash	20	1k	68	13	6.75	6.25
247097CJ	PIC16F87-I/P	DIP-18	Flash	20	4k	368	16	4.05	3.15
247100CJ	PIC16F87-I/SO	SOIC-18	Flash	20	4k	368	16	4.15	3.15
247118CJ	PIC16F87-I/SS	SSOP-20	Flash	20	4k	368	16	4.45	3.65
312733CJ	PIC16F88-I/P	DIP-18	Flash	20	7k	368	16	4.15	3.35
312741CJ	PIC16F88-I/SO	SOIC-18	Flash	20	7k	368	16	4.25	3.42
323096CJ	PIC16F505-I/P	DIP-14	Flash	20	1k	72	12	1.65	1.49
193439CJ	PIC16F627-20/P	DIP-18	Flash	20	1k	224	16	3.29	2.55
193447CJ	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16	3.69	2.69
246730CJ	PIC16F628-20/SO	SOIC-18	Flash	20	2k	224	16	3.79	2.85
246748CJ	PIC16F628-20/SS	SSOP-20	Flash	20	2k	224	16	4.05	3.15
246756CJ	PIC16F628-20I/P	DIP-18	Flash	20	2k	224	16	4.05	3.15
246764CJ	PIC16F628-20I/SO	SOIC-18	Flash	20	2k	224	16	4.09	3.17
223749CJ	PIC16F630-I/P	DIP-14	Flash	20	1k	64	12	1.89	1.59
247126CJ	PIC16F630-I/SL	SOIC-14	Flash	20	1k	128	12	1.85	1.65
247134CJ	PIC16F630-I/ST	TSSOP-14	Flash	20	1k	128	12	2.05	1.85
312573CJ	PIC16F636-I/P	DIP-14	Flash	20	2k	128	12	2.09	1.91
312581CJ	PIC16F636-I/ST	TSSOP-14	Flash	20	2k	128	12	2.19	2.02
247142CJ	PIC16F648A-I/P	DIP-18	Flash	20	4k	256	16	3.25	2.55
247151CJ	PIC16F648A-I/SO	SOIC-18	Flash	20	4k	256	16	3.25	2.55
247169CJ	PIC16F648A-I/SS	SSOP-20	Flash	20	4k	256	16	3.59	2.78
223757CJ	PIC16F676-I/P	DIP-14	Flash	20	1k	64	12	2.19	1.79
247177CJ	PIC16F676-I/SL	SOIC-14	Flash	20	1k	64	12	2.15	1.95
247185CJ	PIC16F676-I/ST	TSSOP-14	Flash	20	1k	64	12	2.35	2.09
312590CJ	PIC16F684-I/P	DIP-14	Flash	20	2k	128	12	2.35	2.17
312602CJ	PIC16F684-I/ST	TSSOP-14	Flash	20	2k	128	12	2.59	2.37
312611CJ	PIC16F688-I/P	DIP-14	Flash	20	4k	256	12	2.79	2.59
312629CJ	PIC16F688-I/ST	TSSOP-14	Flash	20	4k	256	12	3.05	2.79
312637CJ	PIC16F716-I/P	DIP-28	Flash	20	2k	128	13	2.35	2.17
312645CJ	PIC16F716-I/SO	SOIC-18	Flash	20	2k	128	13	2.35	2.17
312688CJ	PIC16F737-I/SO	SOIC-28	Flash	20	4k	368	25	5.55	4.75
312670CJ	PIC16F737-I/SP	DIP-28	Flash	20	4k	368	25	5.39	4.65
312696CJ	PIC16F747-I/P	DIP-40	Flash	20	4k	368	36	6.45	5.45
312717CJ	PIC16F767-I/SO	SOIC-28	Flash	20	8k	368	25	6.69	5.62
312709CJ	PIC16F767-I/SP	DIP-28	Flash	20	8k	368	25	6.29	5.36
312725CJ	PIC16F777-I/P	DIP-40	Flash	20	8k	368	36	6.89	6.05
223765CJ	PIC16F818-I/P	DIP-18	Flash	20	1k	128	16	3.09	2.36
247054CJ	PIC16F818-I/SO	SOIC-18	Flash	20	1k	128	16	3.15	2.45
247062CJ	PIC16F818-I/SS	SSOP-20	Flash	20	1k	128	16	3.35	2.65
223773CJ	PIC16F819-I/P	DIP-18	Flash	20	2k	256	16	3.59	2.69
247089CJ	PIC16F819-I/SO	SOIC-18	Flash	20	2k	256	16	3.55	2.75
247071CJ	PIC16F819-I/SS	SSOP-20	Flash	20	2k	256	16	3.85	2.95
246908CJ	PIC16F870-I/SO	SOIC-28	Flash	20	2k	128	22	4.35	3.87
246895CJ	PIC16F870-I/SP	DIP-28	Flash	20	2k	128	22	4.35	3.69

PIC Microcontrollers SSOP PLCC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
246916CJ	PIC16F870-I/SS	SSOP-28	Flash	20	2k	128	22	$4.49	$3.99
246932CJ	PIC16F871-I/L	PLCC-44	Flash	20	2k	128	33	5.85	5.65
246924CJ	PIC16F871-I/P	DIP-40	Flash	20	2k	128	33	5.15	4.65
246959CJ	PIC16F872-I/SO	SOIC-28	Flash	20	2k	128	22	4.35	3.87
246941CJ	PIC16F872-I/SP	DIP-28	Flash	20	2k	128	22	4.35	3.69
246967CJ	PIC16F872-I/SS	SSOP-28	Flash	20	2k	128	22	4.49	3.99
246983CJ	PIC16F873A-I/SO	SOIC-28	Flash	20	4k	192	22	6.25	5.55
246975CJ	PIC16F873A-I/SP	DIP-28	Flash	20	4k	192	22	6.29	5.19
247003CJ	PIC16F874A-I/L	PLCC-44	Flash	20	4k	192	33	7.55	7.05
246991CJ	PIC16F874A-I/P	DIP-40	Flash	20	4k	192	33	6.75	5.95
247020CJ	PIC16F876A-I/SO	SOIC-28	Flash	20	8k	368	22	6.65	5.85
247011CJ	PIC16F876A-I/SP	DIP-28	Flash	20	8k	368	22	6.65	5.85
193367CJ	PIC16F876-20/SP	DIP-28	Flash	20	256	368	22	7.89	6.69
247046CJ	PIC16F877A-I/L	PLCC-44	Flash	20	8k	368	33	8.15	7.65
247038CJ	PIC16F877A-I/P	DIP-40	Flash	20	8k	368	33	7.25	5.05
176882CJ	PIC16F877-20/P	DIP-40	Flash	20	256	368	33	9.49	8.49
247345CJ	PIC16HV540-20/P	DIP-18	OTP	20	512	25	12	2.35	2.05
247353CJ	PIC16HV540-20/SO	SSOP-20	OTP	20	512	25	12	2.35	2.22
247880CJ	PIC17C42A-16/L	PLCC-44	OTP	16	2k	232	33	10.39	9.99
247871CJ	PIC17C42A-16/P	DIP-40	OTP	16	2k	232	33	9.39	7.32
247901CJ	PIC17C43-25/L	PLCC-44	OTP	25	4k	454	33	13.85	12.95
247898CJ	PIC17C43-25/P	DIP-40	OTP	25	4k	454	33	11.85	10.45
247927CJ	PIC17C44-33/L	PLCC-44	OTP	33	8k	454	33	15.39	14.74
247919CJ	PIC17C44-33/P	DIP-40	OTP	33	8k	454	33	14.75	12.99
247935CJ	PIC17C752-33/L	PLCC-68	OTP	33	8k	678	50	13.95	13.57
247943CJ	PIC17C756A-33I/L	PLCC-68	OTP	33	16k	902	50	16.05	15.59
247951CJ	PIC17C762-16/L	PLCC-84	OTP	33	8k	678	66	16.75	16.65
247960CJ	PIC17C766-33I/L	PLCC-84	OTP	33	16k	902	66	19.25	18.73
200491CJ	PIC18C242-I/SP	DIP-28	OTP	40	16k	512	23	7.29	6.57
200504CJ	PIC18C252-I/SP	DIP-28	OTP	40	32k	1536	23	7.75	6.95
200512CJ	PIC18C452-I/P	DIP-40	OTP	40	32k	1536	23	8.85	7.49
200521CJ	PIC18C452/JW	DIP-40	EPROM	40	32k	1536	23	22.85	20.55
247986CJ	PIC18F242-I/SO	SOIC-28	Flash	40	8k	768	23	7.39	6.61
247978CJ	PIC18F242-I/SP	DIP-28	Flash	40	8k	768	23	7.39	6.61
312291CJ	PIC18F248-I/SO	SOIC-28	Flash	40	16k	768	22	8.49	7.85
312282CJ	PIC18F248-I/SP	DIP-28	Flash	40	16k	768	22	8.49	8.13
248006CJ	PIC18F252-I/SO	SOIC-28	Flash	40	16k	1536	23	8.05	7.20
247994CJ	PIC18F252-I/SP	DIP-28	Flash	40	16k	1536	23	8.05	7.20
248022CJ	PIC18F258-I/SO	SOIC-28	Flash	40	16k	1536	23	9.65	8.62
248014CJ	PIC18F258-I/SP	DIP-28	Flash	40	16k	1536	23	9.65	8.62
248081CJ	PIC18F442-I/L	PLCC-44	Flash	40	8k	768	34	9.59	8.63
248073CJ	PIC18F442-I/P	DIP-40	Flash	40	8k	768	34	8.15	7.35
312477CJ	PIC18F448-I/L	PLCC-44	Flash	40	16k	768	33	9.65	9.46
312469CJ	PIC18F448-I/P	DIP-40	Flash	40	16k	768	33	8.69	8.33

Easy Microcontrol'n

Beginners Guide (Version 4)



Square 1 Publishing A revision of and successor to Easy PIC'n that covers Peripheral Interface Controller (PIC) PIC16F84, writing programs, interrupts, timing and counting. (178 pages, 2002)

Part No.	Description	Size	Weight	Price
215061CJ	Easy Microcontrol'n	8.5" x 11.0"	1.2 lbs.	$29.95

Serial Communications

Serial Communications PIC Applications



Square 1 Publishing Topics such as asynchronous serial communications, RS242 standard, ASCII character code, bit-bang asynchronous communications and synchronous serial communications to name a few are covered in this book as well as tool box modules and applications.(566 pages, 2002)

• Size: 8.6" x 11.0" • Weight: 3.5 lbs.

Part No.	Description	Price
210497CJ	Serial Communications	$49.95

Microcontrol'n Apps

PIC Microcontroller Applications (Version 2)



Square 1 Publishing This book is a revision of and the successor to PIC'n Up The Pace. Materials covered in the book include talking to a PIC microcontroller with a PC running a terminal, simple data logger and digital voltmeter experiment, PIC16F87x and 10-bit A/D conversion. (437 pgs, 2002)

• Size: 8.5" x 11.0" • Weight: 1.7 lbs.

Part No.	Description	Price
215052CJ	Microcontrol'n Apps	$44.95

PIC Microcontroller Project Book

Comprehensive Beginner's Guide



McGraw-Hill Hands-on directions for putting Microchip's RISC-based chips with up to 8k of memory to work. Starting with simple projects and experiments, this book leads you gradually into sophisticated programming techniques. Provides you guidance on getting the equipment you need and programming your chip. (203 pages, 2000) • Size: 7.3" x 9.2" • Wt.: 1.0 lbs.

Part No.	Description	Price
174650CJ	PIC Beginner's Guide	$29.95

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Microcontrollers

Color Code Legend: New | Sale | Lower$ | QtySave

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Microchip PIC Microcontrollers

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Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
248049CJ	PIC18F452-I/L	PLCC-44	Flash	40	16k	1536	34	$10.29	$9.26
248031CJ	PIC18F452-I/P	DIP-40	Flash	40	16k	1536	34	8.85	7.99
248090CJ	PIC18F1220-I/P	DIP-18	Flash	40	2k	256	16	4.35	3.89
248102CJ	PIC18F1220-I/SO	SOIC-18	Flash	40	2k	256	16	4.35	3.89
248111CJ	PIC18F1320-I/P	DIP-18	Flash	40	4k	256	16	4.89	4.40
248129CJ	PIC18F1320-I/SO	SOIC-18	Flash	40	4k	256	16	4.89	4.40
311861CJ	PIC18F2220-I/SP	DIP-28	Flash	40	4k	512	25	6.69	6.15
311917CJ	PIC18F2320-I/SO	SOIC-28	Flash	40	8k	512	25	7.05	6.65
311909CJ	PIC18F2320-I/SP	DIP-28	Flash	40	8k	512	25	7.05	6.64
311984CJ	PIC18F2331/I/SO	SOIC-28	Flash	40	8k	512	25	7.79	7.17
311950CJ	PIC18F2331-I/SP	DIP-28	Flash	40	8K	768	24	7.85	7.21
312098CJ	PIC18F2431-I/SO	SOIC-28	Flash	40	16k	768	24	8.05	7.45
312071CJ	PIC18F2431-I/SP	DIP-28	Flash	40	16k	768	24	8.09	7.46
312274CJ	PIC18F2439-I/SO	SOIC-28	Flash	40	12k	640	21	7.09	6.79
312231CJ	PIC18F2439-I/SP	DIP-28	Flash	40	12k	640	21	7.09	6.79
312311CJ	PIC18F2525-I/SO	SOIC-28	Flash	40	48k	3986	25	8.75	7.70
312303CJ	PIC18F2525-I/SP	DIP-28	Flash	40	48k	3986	25	9.05	8.31
312346CJ	PIC18F2539-I/SO	SOIC-28	Flash	40	24k	1408	21	7.75	7.10
312338CJ	PIC18F2539-I/SP	DIP-28	Flash	40	24k	1408	21	7.69	7.40
312400CJ	PIC18F4220-I/P	DIP-40	Flash	40	4k	512	36	7.15	7.05
312426CJ	PIC18F4320-I/P	DIP-40	Flash	40	8k	512	36	7.95	7.60
312434CJ	PIC18F4331-I/P	DIP-40	Flash	40	8k	768	36	8.89	7.86
312451CJ	PIC18F4431-I/P	DIP-40	Flash	40	16k	768	36	8.85	8.15
312442CJ	PIC18F4439-I/P	DIP-40	Flash	40	12k	640	32	7.89	7.55
312485CJ	PIC18F4539-I/P	DIP-40	Flash	40	24k	1408	32	8.55	8.18
248065CJ	PIC18F458-I/L	PLCC-44	Flash	40	16k	1536	34	11.15	10.05
248057CJ	PIC18F458-I/P	DIP-40	Flash	40	16k	1536	34	9.79	8.75

Atmel Microcontrollers

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Part No.	Product No.	Pkg.	Description	1	25
248330CJ	ATMEGA8-16PI	DIP-28	8-bit MCU, 16MHz 8kB flash	$5.25	$4.41
323133CJ	ATMEGA16-16PI	DIP-40	8-bit AVR MCU, 16MHz w/ 16kB prog flash	6.25	3.91
248153CJ	ATTINY11-6PC	DIP-8	8-bit MCU, 6MHz 1kB flash	1.48	1.32
248161CJ	ATTINY11-6SI	SOIC-8	8-bit MCU, 6MHz 1kB flash	1.79	1.51
248170CJ	ATTINY12-8PC	DIP-8	8-bit MCU, 8MHz 1kB flash	1.85	1.59
248188CJ	ATTINY12-8SI	SOIC-8	8-bit MCU, 8MHz 1kB flash	1.99	1.69
248196CJ	ATTINY15L-1PC	DIP-8	8-bit MCU, 1.6MHz 1kB flash	2.99	2.64
248209CJ	ATTINY15L-1SI	SOIC-8	8-bit MCU, 1.6MHz 1kB flash	2.99	2.53
248217CJ	ATTINY26-16PC	DIP-20	8-bit MCU, 16MHz 2kB flash	2.49	2.11
248225CJ	ATTINY26-16SI	SOIC-20	8-bit MCU, 16MHz 2kB flash	2.59	2.25
248233CJ	ATTINY28L-4PC	DIP-28	8-bit MCU, 4MHz 2kB flash	2.25	2.04
248348CJ	ATMEGA8515-16JI	PLCC-44	8-bit MCU, 16MHz 8kB flash	5.19	4.99
323141CJ	ATMEGA8515-16PC	DIP-40	8-bit AVR MCU, 16MHz w/ 8kB prog. flash	4.59	3.40
395621CJ	ATMEGA8515L-8PC	DIP-40	8-bit AVR MCU, 8MHz 8kB prog. flash	8.85	7.95
168866CJ	AT89C1051-24PC	DIP-20	8-bit MCU, 24MHz 1kB flash mem.	2.65	2.15
168874CJ	AT89C2051-24PC	DIP-20	8-bit MCU, 24MHz 2kB flash mem.	2.49	2.39
265332CJ	AT89C2051-12PC	DIP-20	8-bit MCU, 12MHz 2kB flash MCU mem.	3.29	2.85
204089CJ	AT89C4051-24PC	DIP-20	8-bit MCU, 24MHz 4kB flash mem. 8-bit	2.99	1.69
323109CJ	AT89C4051-24SC	SOIC-20	8-bit MCU, 24MHz 4kB flash mem	2.05	1.51
168911CJ	AT89C51-24JC	PLCC-44	8-bit MCU w/ 4kB flash	3.79	3.39
168903CJ	AT89C51-24PC	DIP-40	8-bit MCU, 24MHz 4kB flash memory	4.49	3.99
168920CJ	AT89C52-24PC	DIP-40	8-bit MCU, 24MHz 8kB flash memory	3.39	2.79
355830CJ	AT89S51-24PC	DIP-40	8-bit MCU, 4kB programmable flash	2.22	2.20
220871CJ	AT89S52-24JI	PLCC-44	8-bit MCU, 8kB progammable flash	3.99	3.69
323117CJ	AT89S53-24JI	PLCC-44	8-bit MCU, 24MHz 12kB flash mem	4.85	3.86
168946CJ	AT89C55WD-24PC	DIP-40	8-bit MCU, 24MHz 20kB flash memory	6.99	6.79
323125CJ	AT89S8252-24JI	PLCC-44	8-bit MCU, 24MHz 8kB flash mem	4.85	3.63
204097CJ	AT89S8252-24PC	DIP-40	8-bit MCU, 24MHz 8kB flash mem. 2kB EEPROM	4.69	3.69
204100CJ	AT90S1200-12PC	DIP-20	20 AVR 8-bit RISC MCU, 12MHz 1kB prog. flash	2.39	1.68
248241CJ	AT90S1200A-12SC	SOIC-20	8-bit AVR MCU, 12MHz 1kB prog. flash	2.89	2.56
248250CJ	AT90S2313-10PC	DIP-20	8-bit AVR MCU, 10MHz 2kB prog. flash	3.25	2.69
248268CJ	AT90S2313-10SI	SOIC-20	8-bit AVR MCU, 10MHz 2kB prog. flash	2.65	2.39
204118CJ	AT90S2323-10PC	DIP-8	8-bit AVR MCU, 10MHz 2kB prog. flash	2.95	2.20
248276CJ	AT90S2323-10SI	SOIC-8	8-bit AVR MCU, 10MHz 2kB prog. flash	3.25	2.87
248284CJ	AT90S2343-10PC	DIP-8	8-bit AVR MCU, 10MHz 2kB prog. flash	2.99	2.63
248292CJ	AT90S2343-10SI	SOIC-8	8-bit AVR MCU, 10MHz 2kB prog. flash	3.49	2.87

Texas Instruments Microcontrollers

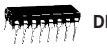
SSOP 

Part No.	Product No.	Pkg.	Description	1	10	100
248663CJ	MSP430F1121AIPW	SSOP-20	MCU, flash 8MHz 8k ROM, 15 I/O	$3.55	$3.45	$3.09
248680CJ	MSP430F123IPW	SSOP-28	MCU, flash 8MHz 8k ROM, 15 I/O	4.79	4.69	4.25

Microchip 16-Bit Digital Signal Converters

dsPIC

The dsPIC® Digital Signal Controller (DSC) from Microchip is a powerful 16-bit (data) modified Harvard RISC machine that combines the control advantages of a high-performance 16-bit microcontroller (MCU) with the high computation speed of a fully implemented digital signal processor (DSP) to produce a tightly coupled single-chip single-instruction stream solution for embedded systems design. All integrate Flash program memory and most have EEPROM data storage.

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Part No.	Product No.	Pkg.	Memory	Speed (MHz)	MIPS	Program Mem. Bytes	SRAM Bytes	1	25
321787CJ	DSPIC30F2010-20I/SOG	SOIC-28	Flash	40	20	12k	512	$9.25	$7.89
321779CJ	DSPIC30F2010-20I/SPG	DIP-28	Flash	40	20	12k	512	9.19	7.90
321808CJ	DSPIC30F2010-30I/SOG	SOIC-28	Flash	40	30	12k	512	10.69	9.09
321795CJ	DSPIC30F2010-30I/SPG	DIP-28	Flash	40	30	12k	512	10.79	9.09
321816CJ	DSPIC30F6010-20I/PF	TQFP-80	Flash	40	20	144k	8192	27.65	22.75
321824CJ	DSPIC30F6010-30I/PF	TQFP-80	Flash	40	30	144k	8192	28.99	26.15
321832CJ	DSPIC30F6011-20I/PF	TQFP-64	Flash	40	20	132k	6144	23.29	18.79
321841CJ	DSPIC30F6011-30I/PF	TQFP-64	Flash	40	30	132k	6144	26.79	21.65
321859CJ	DSPIC30F6012-20I/PF	TQFP-64	Flash	40	20	144k	8192	25.79	20.99
321867CJ	DSPIC30F6012-30I/PF	TQFP-64	Flash	40	30	144k	8192	29.89	24.15
323053CJ	DSPIC30F6013-20I/PF	TQFP-80	Flash	40	20	132k	6144	24.75	19.95
323061CJ	DSPIC30F6013-30I/PF	TQFP-80	Flash	40	30	132k	6144	28.45	22.95
323070CJ	DSPIC30F6014-20I/PF	TQFP-80	Flash	40	20	144k	8192	27.39	22.15
323088CJ	DSPIC30F6014-30I/PF	TQFP-80	Flash	40	30	144k	8192	31.35	25.49

PIC BASIC Programming and Projects



Newnes Publications The BASIC language, is introduced from square one, with simple code used to illustrate each of the most commonly used instructions. PIC BASIC is the simplest and quickest way to get up and running – designing and building circuits using a microcontroller. (210 pages, 2001)

Part No.	Description	Size	Weight	1	10
200168CJ	PIC BASIC Programming	6.1" x 9.2	0.8 lbs.	$37.25	$35.36

ST7 Micro MCUs

DIP  SOIC 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288139CJ	ST7FLITE29F2B6	DIP-20	8-bit MCU w/ flash, 8k ROM, 15 I/O, 8MHz, A/D	$4.25	$3.69	$3.35
288147CJ	ST7FLITE29F2M6	SOIC-20	8-bit MCU w/ flash, 8k ROM, 15 I/O, 8MHz, A/D	4.25	3.69	3.35

Zilog Flash MCUs

DIP  PLCC 

Part No.	Cross Ref.	Pkg.	Description	1	10	100
280268CJ	Z8F1601PM020SC	DIP-40	16kB ROM, 2kB RAM, 31 I/O, A/D	$10.95	$10.25	$9.65
280276CJ	Z8F1601VN020SC	PLCC-44	16kB ROM, 2kB RAM, 31 I/O, A/D	10.99	10.30	9.64
280284CJ	Z8F1602VS020SC	PLCC-68	16kB ROM, 2kB RAM, 46 I/O, A/D	11.45	9.05	8.65
280292CJ	Z8F2401PM020SC	DIP-40	24kB ROM, 2kB RAM, 31 I/O, A/D	12.65	11.75	10.85
280305CJ	Z8F2401VN020SC	PLCC-44	24kB ROM, 2kB RAM, 31 I/O, A/D	12.65	11.75	10.85
280313CJ	Z8F2402VS020SC	PLCC-68	24kB ROM, 2kB RAM, 46 I/O, A/D	13.15	10.35	9.85
280321CJ	Z8F3201PM020SC	DIP-40	32kB ROM, 2kB RAM, 31 I/O, A/D	13.45	10.55	10.05
280330CJ	Z8F3201VN020SC	PLCC-44	32kB ROM, 2kB RAM, 31 I/O, A/D	13.45	10.55	10.05
280348CJ	Z8F3202VS020SC	PLCC-68	32kB ROM, 2kB RAM, 46 I/O, A/D	13.95	10.95	10.45
280356CJ	Z8F4801PM020SC	DIP-40	48kB ROM, 4kB RAM, 31 I/O, A/D	15.19	11.85	11.35
280364CJ	Z8F4801VN020SC	PLCC-44	48kB ROM, 4kB RAM, 31 I/O, A/D	15.15	11.85	11.35
280372CJ	Z8F4802VS020SC	PLCC-68	48kB ROM, 4kB RAM, 46 I/O, A/D	15.65	12.35	11.75
280381CJ	Z8F6401PM020SC	DIP-40	64kB ROM, 4kB RAM, 46 I/O, A/D	16.85	13.25	12.55
280399CJ	Z8F6401VN020SC	PLCC-44	64kB ROM, 4kB RAM, 46 I/O, A/D	16.85	13.25	12.55
280401CJ	Z8F6402VS020SC	PLCC-68	64kB ROM, 4kB RAM, 46 I/O, A/D	17.35	13.65	12.95

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Z8 OTP MCUs

DIP PLCC SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
281228CJ	Z86E3016PSC	DIP-28	RAM/ROM Protect, 24 I/O lines	$6.59	$4.99	$4.15
281236CJ	Z86E3016VSC	PLCC-28	RAM/ROM Protect, 24 I/O lines	~~$6.59~~ 4.59	4.35	4.15
281252CJ	Z86E0812SSC1866	SOIC-18	ROM protect, 14 I/O lines	3.99	2.99	2.23
281279CJ	Z86E0812PSC1866	DIP-18	ROM protect, 14 I/O lines	3.99	2.99	2.25
281287CJ	Z86E0812PEC	DIP-18	ROM protect, 14 I/O lines	4.35	3.29	2.45
281295CJ	Z86E0208SSC1925	SOIC-18	ROM protect, 14 I/O lines, 1 cntr/timer	1.89	1.65	1.45

Zilog Z80 MPUs

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
35561CJ	Z80♣	DIP-40	2.5MHz CPU (MK3880N/780C)	$1.39	$1.19	$1.09
35596CJ	Z80A♣	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79	1.59
35609CJ	Z80A-CTC♣	DIP-28	4MHz counter timer circuit (MK3882-4)	1.99	1.79	1.59
35625CJ	Z80A-DART♣	DIP-40	4MHz dual asynchronous receiver/trans.	3.49	3.19	2.89
35641CJ	Z80A-PIO♣	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.49	1.29	1.15
35668CJ	Z80A-SIO/0♣	DIP-40	4MHz serial I/O (TxCB & RxCB bond.) MK3884-4	2.19	1.79	1.59
35705CJ	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39	2.09
280410CJ	Z8018006PSC	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	9.29	7.05	6.29
280428CJ	Z8018006VSC	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	9.29	7.05	6.29
280436CJ	Z8018008PSC	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	9.69	7.35	6.29
280444CJ	Z8018008VSC	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	9.95	7.45	6.25
280452CJ	Z8018010PSC	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	7.85	7.45	7.25
280461CJ	Z8018010VSC	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	11.29	8.55	7.35
280479CJ	Z8S18020PSC	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	13.35	12.05	10.75
280487CJ	Z8S18020VSC	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	12.95	9.79	8.05
280495CJ	Z8S18033VSC	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	9.55	9.35	9.09
35781CJ	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.15	3.49	2.55
280508CJ	Z84C0006VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.09	2.79	2.39
280516CJ	Z84C0008PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.25	2.99	2.59
280524CJ	Z84C0008VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.29	2.80	2.10
280532CJ	Z84C0010PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.25	2.99	2.59
280541CJ	Z84C0010VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	4.89	3.69	3.15
280559CJ	Z84C0020VEC	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	13.29	12.00	10.20
280567CJ	Z84C4008PEC	DIP-40	Dual data ch. communication interface	7.25	6.65	5.69
280575CJ	Z84C9010VSC	PLCC-84	Serial/parallel I/O counter/timer	16.75	14.45	12.65
35799CJ	Z8530♣	DIP-40	2MHz serial communications controller	2.49	2.25	1.49
281308CJ	Z85C3016PSC	DIP-40	Serial communications controller	13.79	10.45	8.37
61786CJ	Z85C3008PSC	DIP-40	Serial communications controller	5.69	5.19	4.39
281316CJ	Z85C3008VSC	PLCC-44	Serial communications controller	8.19	6.21	5.25
281324CJ	Z8523016VSC	PLCC-44	Enhanced serial comm. controller	15.75	14.45	13.96

♣ Pull = Extra Savings

Dallas 87C/89C MCU Series

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10
345295CJ	DS89C450-MNL	DIP-40	MCU, 64k flash, ultra-high speed	$12.05	$11.09
345308CJ	DS89C440-MNL	DIP-40	MCU, 32k flash, ultra-high speed	11.29	10.75
345316CJ	DS89C430-MNL	DIP-40	MCU, 16k flash, ultra-high speed	9.99	9.70
345324CJ	DS89C420-MCL	DIP-40	MCU, 16k flash, 33MHz, ultra-high speed	16.89	13.28
345332CJ	DS87C550-QCL	PLCC-68	EPROM, high-speed w/ ADC & PWM	24.99	23.23
345341CJ	DS87C530-QNL	PLCC-52	EPROM/ROM MCU w/ real-time clock	38.79	36.50
345359CJ	DS87C520-WCL	DIP-40	EPROM/ROM MCU, high-speed	50.99	46.65
345367CJ	DS87C520-MCL	DIP-44	EPROM/ROM MCU, high-speed	29.29	27.85

6500 Series/Commodore/WDC

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191CJ	6502♣	DIP-40	MPU with internal clock 1MHz	$7.95	$6.95	$6.25
43166CJ	65C02♣	DIP-40	MPU with internal clock CMOS	6.95	5.25	3.65
43254CJ	6522♣	DIP-40	VIA (versatile interface adapter) 1MHz	3.95	2.69	2.45
43297CJ	6532	DIP-40	128 x 8 RAM, I/O timer array	7.95	6.99	6.49
43318CJ	6551	DIP-28	ACIA (asynch. comm. interface adptr)	3.95	3.49	3.15
291021CJ	W65C816S89-14	DIP-40	16-bit MPU, 254-bit add. bus, 14MHz	11.59	9.99	8.59

♣ Pull = Extra Savings

6800/68000 Series

DIP PLCC SOIC TSOP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43481CJ	6800♣	DIP-40	8-bit MCU	$6.95	$5.25	$3.65
43502CJ	6802	DIP-40	8-bit MPU with clock and RAM (1MHz)	8.49	7.65	6.89
43529CJ	6803♣	DIP-40	8-bit MCU with 128k RAM	7.79	6.99	6.29
43537CJ	MC6808	DIP-40	8-bit MPU with clock and 128k RAM	8.95	8.06	7.25
43545CJ	6809E♣	DIP-40	MPU with external clock (1MHz)	3.95	3.59	3.25
320590CJ	68B09E	DIP-40	MPU with external clock (2MHz)	3.95	3.59	3.25
43561CJ	6810	DIP-24	128x8 static RAM (1MHz)	1.95	1.69	1.49
43596CJ	6821♣	DIP-40	Peripheral interface adapter (1MHz)	3.95	3.59	3.25
43414CJ	68B21♣	DIP-40	Peripheral interface adapter (2MHz)	4.95	4.49	4.05
43617CJ	6840	DIP-28	Programmable timer (1MHz)	2.49	2.25	1.99
43633CJ	6850♣	DIP-24	Asynch. comm. int. adapter (ACIA)	2.39	2.09	1.89
25304CJ	MC68000L8♣	DIP-64	MPU 16-bit (8MHz)	8.95	7.95	7.25
25291CJ	MC68000L10♣	DIP-64	MPU 16-bit (10MHz)	14.95	12.75	9.55
25355CJ	MC68701	DIP-40	8-bit EPROM MPU w/ 128B RAM & I/O	15.95	13.95	12.55
25363CJ	MC68705P3S	DIP-28	8-bit EPROM MPU w/ 112B RAM & I/O	24.95	22.95	20.65
25371CJ	MC68705U3S✣	DIP-40	8-bit EPROM MPU w/ 112B RAM & I/O	29.95	25.49	19.09
248591CJ	MC68HC11E0CFN2	PLCC-52	MCU w/ 512 EPROM & 38 I/0, A/D	10.95	9.85	8.87
248604CJ	MC68HC11E1CFN3	PLCC-52	MCU w/ 512 EPROM & 38 I/0, A/D	8.85	7.25	6.55
191863CJ	MC68HC11E1CP2	DIP-48	MCU w/ A/D converter (512B RAM)	15.95	14.35	12.69
248583CJ	MC68HC11F1CFN3	PLCC-68	MCU w/ 512 EPROM & 30 I/O, A/D	9.99	7.59	7.15
248647CJ	MC68HC705C8ACFN	PLCC-44	MCU, OTP 8k ROM, 31 I/O	7.39	5.45	4.99
108919CJ	MC68HC705C8P	DIP-40	MCU, OTP 8k ROM, 24 I/O lines	7.29	6.29	5.92
132484CJ	MC68HC705C8S✣	DIP-40	MCU, 8k bytes, EPROM	38.95	34.95	31.55
248639CJ	MC68HC705J1ACDW	SOIC-20	MCU, OTP 1.2k ROM, 14 I/O	3.45	3.09	2.79
132530CJ	MC68HC705J1ACP	DIP-20	MCU, OTP 1.0k ROM, 14 I/O	2.09	1.89	1.79
108927CJ	MC68HC705K1P	DIP-16	MCU, OTP 504B ROM, 10 I/O timer	5.55	5.35	4.95
248612CJ	MC68HC705P6ACP	DIP-28	MCU, OTP 4.5k ROM, 21 I/O A/D	~~$3.95~~ 3.55	2.60	2.43
248621CJ	MC68HC705P6ADW	SOIC-28	MCU, OTP 4.5k ROM, 21 I/O A/D	~~$3.95~~ 3.55	2.60	2.43
248655CJ	MC68HC705C9ACFN	PLCC-44	MCU, OTP 16k ROM, 31 I/O	11.75	10.55	9.50
248567CJ	MC68HC711D3CFN2	PLCC-44	MCU, OTP 4k ROM, 26 I/O	10.75	9.69	8.71
285675CJ	MC68HC705BDT	DIP-40	MCU, OTP 11k ROM, 26 I/O A/D	9.99	8.99	6.74
248575CJ	MC68HC711E9CFN2	PLCC-52	MCU, OTP 12k ROM, 38 I/O A/D	13.45	10.50	9.87
248356CJ	MC68HC908GP32CP	DIP-40	MCU, flash 32k ROM, 33 I/O	12.69	11.39	10.29
323213CJ	MC68HC908GR8CP	DIP-28	MCU, flash 8-bit, 8k ROM, 21 I/O A/D	6.25	5.28	5.01
248410CJ	MC68HC908JB8ADW	SOIC-28	MCU, flash 8k ROM, 21 I/O USB	6.69	5.99	5.45
248401CJ	MC68HC908JB8JP	DIP-20	MCU, flash 8k ROM, 37 I/O USB	5.49	5.45	4.65
323205CJ	MC68HC908JK1CDW	SOIC-20	MCU, flash 1.5k ROM, 15 I/O A/D (HCMOS)	2.35	2.01	1.91
323192CJ	MC68HC908JK1CP	DIP-20	MCU, flash 1.5k ROM, 15 I/O A/D (HCMOS)	2.79	2.01	1.91
248372CJ	MC68HC908JK3CDW	SOIC-20	MCU, flash 4k ROM, 15 I/O	3.75	3.45	3.09
248364CJ	MC68HC908JK3CP	DIP-20	MCU, flash 4k ROM, 15 I/O	3.75	3.45	3.09
248399CJ	MC68HC908JL3CDW	SOIC-28	MCU, flash 4k ROM, 23 I/O, A/D	5.45	4.95	4.45
248381CJ	MC68HC908JL3CP	DIP-28	MCU, flash 4K ROM, 23 I/O, A/D	4.55	4.35	3.95
248436CJ	MC68HC908KX8CDW	SOIC-16	MCU, flash 8k ROM, 13 I/O, A/D	6.29	5.69	5.15
248428CJ	MC68HC908KX8CP	DIP-16	MCU, flash 8k ROM, 13 I/O, A/D	5.65	5.45	5.05
248495CJ	MC68HC908QT1CDW	SOIC-8	MCU, flash 1.5k ROM, 6 I/O	1.89	1.45	1.30
248487CJ	MC68HC908QT1CP	DIP-8	MCU, flash 1.5k ROM, 6 I/O	1.89	1.45	1.30
248479CJ	MC68HC908QT2CDW	SOIC-8	MCU, flash 1.5k ROM, 6 I/O, A/D	2.39	2.29	2.09
248461CJ	MC68HC908QT2CP	DIP-8	MCU, flash 1.5k ROM, 6 I/O, A/D	2.85	2.55	2.29
248452CJ	MC68HC908QT4CDW	SOIC-8	MCU, flash 4k ROM, 6 I/O, A/D	2.69	2.05	1.85
248444CJ	MC68HC908QT4CP	DIP-8	MCU, flash 4k ROM, 6 I/O, A/D	1.99	1.89	1.80
248559CJ	MC68HC908QY1CDT	TSSOP-16	MCU, flash 1.5k ROM, 14 I/O	2.49	2.39	2.19
248541CJ	MC68HC908QY1CP	DIP-16	MCU, flash 1.5k ROM, 14 I/O	2.15	1.65	1.49
248532CJ	MC68HC908QY2CDT	TSSOP-16	MCU, flash 1.5k ROM, 13 I/O, A/D	2.85	2.69	2.45
248524CJ	MC68HC908QY2CP	DIP-16	MCU, flash 1.5k ROM, 13 I/O, A/D	2.55	1.95	1.75
248516CJ	MC68HC908QY4CDW	TSSOP-16	MCU, flash 4k ROM, 13 I/O A/D	2.89	2.49	2.44
248508CJ	MC68HC908QY4CP	DIP-16	MCU, flash 4k ROM, 13 I/O A/D	2.89	2.49	2.25
323221CJ	MC68HC912B32CFU8	QFP-80	MCU, flash 16-bit 1.5k ROM 15 I/O A/D	20.55	19.50	18.52

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Microcontrollers, Microprocessors and Voice Chips

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8000 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844CJ	8031♣	DIP-40	CPU with 128 x 8 RAM and I/O	$3.29	$2.99	$2.69
51676CJ	80C31♣	DIP-40	CPU with 128 x 8 RAM and I/O CMOS	3.39	2.89	2.19
102197CJ	8032	DIP-40	8-bit MCU 256 x 8 RAM	3.95	3.59	3.25
108804CJ	80C32-1♣	DIP-40	8-bit MCU 256 x 8 RAM CMOS	4.49	3.85	2.89
51861CJ	8035♣	DIP-40	MPU 8-bit	3.95	3.59	3.25
51959CJ	8039♣	DIP-40	CPU single chip 8-bit (128 bytes RAM)	4.49	3.99	3.59
51692CJ	80C39♣	DIP-40	CPU sgle chip 8-bit (128 bytes RAM) CMOS	3.99	3.39	2.54
51983CJ	8049*♣	DIP-40	CPU sgle chip 8-bit (can be used as 8039*)	1.95	1.75	1.59
51991CJ	8051AP**♣	DIP-40	MCU w/128x8 RAM	5.49	4.99	4.49
52003CJ	8052AH**	DIP-40	CPU 8-bit 256 bytes RAM, tmr/countr & I/O	7.99	7.19	6.49
125647CJ	80C52BASIC	DIP-40	CPU 8-bit CMOS w/ basic interpreter	32.09	28.89	25.99
52046CJ	8080A♣	DIP-40	CPU 8-bit N-channel (1MHz)	4.49	3.95	3.59
52062CJ	8085AH♣	DIP-40	CPU 8-bit HMOS (3MHz)	4.99	4.49	3.99
52071CJ	8085AH-2♣	DIP-40	CPU 8-bit HMOS (5MHz)	5.49	4.99	4.49
51705CJ	80C85A-2	DIP-40	CPU 8-bit CMOS (5MHz)	6.95	6.26	5.56
52100CJ	8086-2♣	DIP-40	CPU 16-bit (8MHz)	1.95	1.75	1.59
52142CJ	8088♣	DIP-40	CPU 16-bit (8-bit data bus) 5MHz	2.49	2.25	1.99
52169CJ	8088-2♣	DIP-40	CPU 16-bit (8-bit data bus) 8MHz	5.95	5.39	4.85
34358CJ	UPD70108-8♣	DIP-40	V20 chip (replaces the 8088-2) 8MHz	10.99	9.99	8.99
52290CJ	8155	DIP-40	HMOS RAM I/O port/timer (3MHz)	4.49	4.05	2.99
52302CJ	8155-2♣	DIP-40	HMOS RAM I/O port/timer (5MHz)	5.95	5.39	4.85
52193CJ	81C55♣	DIP-40	256x8 RAM I/O port/tmr CMOS 3MHz	4.49	3.59	3.19
52468CJ	8212♣	DIP-24	8-bit input/output (74S412)	6.49	5.99	5.49
52484CJ	8216	DIP-16	Bi-directional bus driver (non-invert.)	3.95	3.39	2.55
52492CJ	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513CJ	8228	DIP-28	System contr./bus driver (74S428)	3.69	3.19	2.36
52581CJ	8243♣	DIP-24	I/O expander for 48 series	5.49	4.99	4.49
52610CJ	8250A♣	DIP-40	Asynchronous comm. element	4.95	4.21	3.15
52644CJ	8251✣	DIP-28	Prog. comm. I/O (USART)	2.99	2.69	2.39
52652CJ	8251A♣	DIP-28	Prog. comm. interface (USART)	3.99	3.69	3.39
52370CJ	82C51A♣	DIP-28	Prog. comm. interface (USART) CMOS	4.49	3.99	3.49
52679CJ	8253♣	DIP-24	Prog. interval timer	3.19	2.89	2.59
52687CJ	8253-5✣	DIP-24	Prog. interval timer (2MHz)	4.99	4.49	3.99
52388CJ	82C53-5	DIP-24	Prog. interval timer CMOS 2MHz	4.95	4.25	3.19
52708CJ	8254♣	DIP-24	Prog. interval timer (UPD71054)	4.49	3.99	3.59
52716CJ	8254-2♣	DIP-24	Prog. interval timer (10MHz)	7.35	6.65	5.95
52396CJ	82C54	DIP-24	Prog. interval timer CMOS	3.95	3.55	3.19
52409CJ	82C54-2	DIP-24	Prog. interval timer CMOS 10MHz	4.49	4.05	3.59
52724CJ	8255♣	DIP-40	Prog. periph. I/O (PPI) 71055 (2MHz)	4.49	3.99	3.49
52732CJ	8255A-5♣	DIP-40	Prog. peripheral I/O (PPI) 5MHz	4.89	4.39	2.89
291805CJ	8255AC-5	DIP-40	MPU peripheral I/O (PPI)	4.89	4.39	2.89
52417CJ	82C55A	DIP-40	Prog. peripheral I/O (PPI) CMOS	4.99	4.49	3.99
52425CJ	82C55A-5	DIP-40	Prog. periph. I/O (PPI) CMOS (5MHz)	4.49	3.99	3.49
52759CJ	8256♣	DIP-40	Multif. universal asynch. rec./trans.	19.99	17.99	16.19
52775CJ	8259♣	DIP-28	Prog. interrupt controller (UPD71059)	1.75	1.55	1.45
52783CJ	8259-5♣	DIP-28	Prog. interrupt controller (8259A-2)	2.49	2.19	1.99
52821CJ	8275	DIP-40	Prog. CRT controller	9.95	9.49	8.25
52839CJ	8279♣	DIP-40	Prog. keyboard/display interface	12.99	11.99	10.99
52847CJ	8279-5♣	DIP-40	Prog. keybrd/display interface (5MHz)	12.95	11.69	10.49
52855CJ	8282♣	DIP-20	Octal latch (UPD71082)	5.95	4.89	3.45
52871CJ	8284A♣	DIP-18	Clock gen. and driver (UPD71084)	4.49	3.99	3.59
52898CJ	8286	DIP-20	Octal bus transceiver (UPD71086)	3.95	3.59	3.25
52901CJ	8287	DIP-20	Octal bus transceiver (inverted)	10.99	9.99	8.99
52919CJ	8288	DIP-20	Bus controller (UPD71088) 82C88-2	1.95	1.65	1.25
53006CJ	8741	DIP-40	8-bit univ. periph. interface (EPROM)	7.99	7.19	6.49
53014CJ	8742	DIP-40	8-bit univ. peripheral interface	9.95	8.49	6.35
53022CJ	8748✣	DIP-40	CPU 8-bit, EPROM, RAM & I/O (21V)	13.95	12.56	11.11
53031CJ	8748H✣	DIP-40	CPU 8-bit, EPROM, RAM & I/O HMOS (21V)	15.95	14.49	12.99
53057CJ	8749H✣	DIP-40	MPU 8-bit (EPROM version 8049)	22.99	19.49	15.95
53073CJ	8751	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-8MHz)...	19.99	17.99	16.19
53081CJ	8751H✣	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (1.2-12MHz)	24.95	20.25	14.99
52978CJ	87C51✣	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz)	21.99	19.79	17.49
196120CJ	P87C51	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz) OTP	8.99	8.09	7.29

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* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM

8000 Series (Continued)

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
53090CJ	8755	DIP-40	16k EPROM with I/O	$8.95	$8.09	$7.29
53073CJ	8751	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-8MHz)...	19.99	17.99	16.19
53081CJ	8751H✣	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (1.2-12MHz)	24.95	20.25	14.99
52978CJ	87C51✣	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz)	21.99	19.79	17.49
196120CJ	P87C51	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz) OTP	8.99	8.09	7.29
53090CJ	8755	DIP-40	16k EPROM with I/O	8.95	8.09	7.29
248701CJ	T89C51RB2	PLCC-44	MCU, flash 16k ROM, 32 I/O	~~$8.65~~ 6.59	6.11	5.81
248719CJ	T89C51RC2	PLCC-44	MCU, flash 32k ROM, 32 I/O	10.25	9.19	8.29
248727CJ	T89C51RD2	PLCC-44	MCU, flash 64k ROM, 32 I/O	13.45	12.15	10.89

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Stamp Microcontrollers

DIP

80C52-BASIC Microcontroller

The 80C52-BASIC chip is a custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

Hardware: • On-chip oscillator & clock circuit • Operates DC to 12MHz

Software: • Full BASIC interpreter in ROM on a single chip
• "Stand-alone" software development
• Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description	1	10	100
125647CJ	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	$32.09	$28.89	$25.99

50MIPS SX Microcontroller

Part No.	Parallax No.	Description	1	10	100
162931CJ	SX28AC/DP	DIP-28 50MIPS SX microcontroller	$4.99	$4.89	$4.79
283063CJ	SX48BD	PQFP-48 flash RAM	7.29	7.25	7.19

Voice Chips

DIP

Single-Chip Voice Record/Playback Devices

10 to 120 Second Durations (28-pin DIP)

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Fully addressable to handle multiple messages
- On-chip automatic gain control (AGC) and clock source
- 100k record cycles (typical)
- 1µA standby current (typical)
- Typical 100k record cycles, 1µA standby current, and 100 year message retention
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated
- 100-year message retention (typical)



107334CJ

Part No.	Product No.	Description	1	10	50
141671CJ	ISD1110P	Voice record/playback (10 sec.)	$5.99	$5.75	$5.49
107334CJ	ISD1420P	Voice record/playback (20 sec.)	7.25	6.00	4.89
120643CJ	ISD2560P	Voice record/playback (60 sec.)	9.19	8.59	7.79
120660CJ	ISD2590P	Voice record/playback (90 sec.)	14.09	12.29	11.69
141655CJ	ISD25120P	Voice record/playback (120 sec.)	14.49	13.15	11.95

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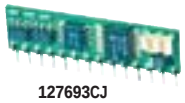
Jameco Part No.	Product No.	Jameco® Price	Digi-Key® Price	Mouser® Price	Newark® Price	Minimum Savings	Minimum Discount
248268CJ	AT90S2313-10SI	$2.65	$3.91	$3.45	Not offered	$0.80	23.2%
204118CJ	AT90S2323-10PC	$2.59	$3.23	$3.22	Not offered	$0.63	19.6%
345332CJ	DS87C550-QCL	$24.99	$41.29	Not offered	$40.51	$15.52	38.3%
345367CJ	DS87C520-MCL	$29.29	$41.55	Not offered	$40.77	$11.48	28.2%
345359CJ	DS87C520-WCL	$50.99	$70.49	Not offered	$69.16	$18.17	26.3%
200504CJ	PIC18C252-I/SP	$7.75	$9.08	Not offered	$9.01	$1.26	14.0%
132530CJ	MC68HC705J1ACP	$2.09	$3.50	Not offered	$2.79	$0.70	25.1%
288067CJ	ST L297/1	$5.49	$7.02	Not offered	$8.00	$1.53	21.8%
280508CJ	Z84C0006VEC	$3.09	$5.61	$3.63	Not offered	$0.54	14.9%
280516CJ	Z84C0008PEC	$3.25	$5.61	$3.63	Not offered	$0.38	10.5%
280532CJ	Z84C0010PEC	$3.25	$5.61	$3.63	Not offered	$0.38	10.5%

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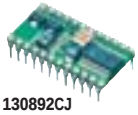
For detailed specs, visit www.Jameco.com/Rabbit

BASIC Stamps

BASIC Stamps are small computers using a variation of BASIC called PBASIC. They are ideal for controller apps including robotics, radio-controlled interfaces of a digital camera, industrial pallet stackers, health monitoring systems, and much more. The BS1-IC has 8 I/O lines, while the BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices. Both allow you to store data in the EEPROM before downloading a BASIC program.



127693CJ



130892CJ

See page 200 for Serial LCD Modules

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Specifications:	127693CJ	130892CJ
EEPROM	256 bytes	2048 bytes
RAM	16 bytes	32 bytes
Cur. Draw @ 5V	2mA run/20µA	8mA run/100µA
Microcontroller	PIC16C56	PIC16C57
Program speed	2000/sec.	4000/sec.
# of I/O Pins	8	16 + 2 serial
Package	14-pin SIP	24-pin DIP
Volts Required	5-15VDC	5-15VDC
Size	1.4"L x 0.4"W	1.2"L x 0.6"W

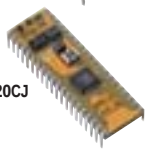
Part No.	Parallax No.	1	10
127693CJ	BS1-IC	$28.95	$28.29
130892CJ	BS2-IC	48.95	43.95

BASIC Stamp 2P Modules

In addition to the BS2-SX (pg 11) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.



184911CJ



184920CJ

- Voltage requirements: 5-12VDC
- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable)
- Scratch pad RAM: 128 bytes
- EEPROM program size: 2k x 8, 4,000 instructions
- Current draw @ 5V: 40mA run; 400µA sleep

184911CJ: Number of I/O pins: 16 + 2 serial

184920CJ: Number of I/O pins: 32 + 2 serial

Part No.	Parallax No.	1	10
184911CJ	BS2P24-IC 24-pin	$78.95	$70.95
184920CJ	BS2P40-IC 40-pin	87.95	79.95

50MHz BASIC Stamp 2SX Module

High-speed version of BS2-IC.



- Volts required: 5-12 VDC
- RAM size: 32 bytes
- Scratch pad RAM: 64 bytes
- Microcontroller: Ubicom SX28AC
- Number of I/O pins: 16 + 2 serial
- EEPROM program size: 2k x 8, 4,000 instructions
- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep

Part No.	Parallax No.	1	10
159775CJ	BS2SX-IC 24-pin	$58.95	$52.95

BS2E-IC Basic Stamp Module

The BS2E-IC runs at the same speed as BASIC Stamp 2, but has the RAM and EEPROM size benefits of the BS2-SX, with much lower speed and power consumption. Ideal for those who use the BS2 and would like more variable or program space. Programmed in Windows®.



- EEPROM (program) size: 2k x 8, ~ 4,000 instructions
- RAM: 32 bytes (6 I/O, 26 variable)
- Current draw @ 5V: 20mA run/100uA sleep
- Microcontroller: Scenix SX28AC
- Program speed: 4,000 instructions / sec
- Number of I/O pins: 16 + 2 dedicated serial
- Voltage requirement: 5-12VDC • Package: DIP-24

Part No.	Parallax No.	1	10
283047CJ	BS2E-IC	$53.95	$51.95

BASIC Stamp 2 OEM Kit

A through-hole version of the popular BASIC Stamp modules.



- 20-pin SIP, standard 0.1" spacing
- PC board includes labeled component locations with visible traces between parts
- PBASIC interpreter and EEPROM are socketed to allow for replacement
- Programmed using PBASIC DOS or Windows®

Includes: PBASIC interpreter, EEPROM, resonator, DB-9, resistors and transistors

Lower $$$

Part No.	Parallax No.	1	10
183071CJ	27291 BASIC® Stamp 2 kit	$44.79	$42.53

Wi-Fi Application Kit



Jumpstart your wireless application design with a complete application kit. Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system.

Wireless connectivity eliminates ethernet cables allowing greater flexibility and mobility of wireless embedded networks. This kit provides all the tools necessary to sample and design communications from a Rabbit-based device to a Wi-Fi-enabled device (e.g. PC Laptop, PDA, etc.). The RCM can also send/receive email from any PC or device with a compatible Wi-Fi card. Includes Dynamic C® software with royalty-free TCP/IP stack.

Includes a Linksys Wi-Fi card, RCM3100 microprocessor core module, prototyping board, Dynamic C® development system and complete documentation on CD-ROM, serial cable for programming and debugging, 10-pin DB15 Conversion Cable, manuals and AC adapter (U.S./Canada only).

Applications

- Wireless automation and control
- Convenient data and event logging
- Instrumentation monitoring

Part No.	Description	Weight	Price
321681CJ	Wi-Fi Application Kit	2.0 lbs.	$568.95

Multi-Port Serial to Ethernet Kit

Enable your customers to monitor your sensors from their desktop. The Rabbit Serial-to-Ethernet Kit provides the hardware and software necessary for sensors and other serial devices to communicate via a LAN or other network. This kit allows you to simultaneously connect several serial devices to a network. Implementation of the optional RabbitWeb software module makes it simple to web-enable your application to allow monitoring and control of serial devices via the internet or intranet. Other optional software modules help to secure your data through SSL and encryption.



Sample application programs guide you through serial to Ethernet conversion. This kit also includes a prototyping board, Dynamic C® development environment including a royalty-free TCP/IP stack with source code, sample applications, temperature sensor demoboard, required cables, and assorted accessories. The sample applications highlight functionality such as RS-232 to Ethernet conversion, RS-485 to ethernet conversion, ethernet to serial conversion, data gathering from serial devices such as the included temperature sensor demoboard and a digital voltmeter (not included), and web-enabling applications.

Features

- Serial to ethernet applications for: digital voltmeter and temperature sensor reader and binary and hexadecimal ASCII
- Royalty-free TCP/IP stack with source code • Configuration menu system

Design Advantages

- Minimal ethernet experience required • 3 step setup
- Software compatible with other Rabbit-based products

Part No.	Description	Weight	Price
321656CJ	Multi-Port serial to ethernet app. kit	2.0 lbs.	$375.25

Lowest Price Guarantee

Have you found a product at a lower print advertised price? We'll beat that price by 10% right down to our cost!

The Rabbit 3000 Microprocessor

The new Rabbit 3000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. The 8-bit Rabbit 3000 out performs most 16-bit processors without losing the efficiency of an 8-bit architecture. Extensive integrated features and glueless architecture facilitate rapid hardware design, while a C-friendly instruction set promotes efficient development of even the most complex applications.

All development kits come complete with microprocessor core module, prototyping board, Dynamic C® development software with documentation on CD-ROM, serial cable for programming and debugging, getting started manual and AC adapter.

Shared Features of the RCM3000 RabbitCore™ Series

- EMI Reduction: spectrum spreader for reduced EMI (radiated emissions)
- Serial Rate: max. asynchronous burst rate = CLK/8
- Backup battery: connection for user-supplied battery (to support RTC and SRAM)
- Shared interface: permits use as master or intelligent peripheral with Rabbit-based or other master controller
- Real-time clock: battery backable
- Watchdog: yes
- Timers: ten 8-bit timers (six cascadable from the first, three reserved for internal peripherals), and one 10-bit timer with 2 match registers
- Pulse-width modulation: 8-bit free running counter and four 10-bit pulse-width registers
- Input capture: 2-channel input capture can be used to time input signals from various port pins
- Quadrature recorder: 2-channel quadrature decoder accepts inputs from external incremental encoder modules

RCM3000 & 3100 General Purpose Development Kits

RCM3000 RabbitCore™ 10Base-T Development Kit

The RCM3000 RabbitCore™ with 49 I/O lines is the most powerful and feature-packed 10Base-T Ethernet microprocessor core module.



320733CJ

RCM3100 RabbitCore™ General Purpose Development Kit

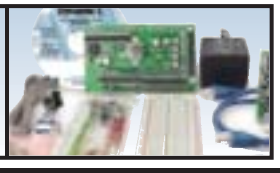
The RCM3100 RabbitCore™ with 54 I/O lines is ideal for non-Ethernet designs that need powerful embedded performance and a small footprint.

The RCM3000 & RCM3100 are ideal options for designers who want to rapidly develop and implement embedded systems with or without integrated Ethernet connectivity.

Both kits include the built-in RabbitCore™ low-EMI feature, including a clock spectrum spreader to help designers eliminate the kind of emissions-related problems that frequently derail tight development schedules. Additional features include a battery-backed real-time clock, glueless memory and I/O interfacing, a fully enabled slave port and an alternate I/O bus, which can be configured for 8 data lines and 6 address lines. Pin compatibility helps designers implement cost-effective 3.3V Ethernet and non-Ethernet systems without redesign.

Part No.	Description	Weight	Price
320733CJ	RCM3000 ethernet enabled development kit	2.0 lbs.	$294.99
320741CJ	RCM3100 general purpose development kit	2.0 lbs.	226.95

See page 266-267 for Ethernet Starter and Microprocessor Starter Kits.



RCM3200 10/100Base-T Development Kit

The RCM3200 RabbitCore™ microprocessor core module is a great choice for designers who want to rapidly implement embedded systems that require a fully integrated 10/100Base-T Ethernet connection. Additional features include a battery-backed real-time clock, glueless I/O interfacing, slave port and an alternate I/O bus.



Part No.	Description	Weight	Price
320979CJ	RCM3200 ethernet enabled development kit	2.0 lbs.	$331.55

RCM3300 & 3360 Flash Development Kits

The RCM3300 — Serial Flash Kit

The RCM3300 RabbitCore™ microprocessor core module is ideal for designers who want to rapidly develop serial Flash into their embedded application. The RCM3300 offers 8MB of serial flash for data logging and file storage purposes.



321082CJ

The RCM3360 Supports xD-Picture Cards™

The RCM3360 RabbitCore™ microprocessor core module presents a new form of embedded flexibility: removable xD-Picture Cards. Supports 16MB of on-board NAND Flash as well as memory cards of up to 128MB. The RabbitCore is perfect for large data applications requiring low-power operation.



321613CJ

Part No.	Description	Weight	Price
321082CJ	RCM3300 serial flash development kit	2.0 lbs.	$283.95
321613CJ	RCM3360 NAND flash development kit	2.0 lbs.	378.95

Comparison Chart for Rabbit Semiconductor Development Kits

Model No. / Jameco Part No.	RCM3000 320733CJ	RCM3100 320741CJ	RCM3200 320979CJ	RCM3300 321082CJ	RCM3360 321613CJ
CPU Speed	29.4MHz	29.4MHz	44.2MHz	44.2MHz	44.2MHz
Ethernet	10Base-T, RJ-45, 2 LEDs	None	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs
Flash Memory	512k (2 x 256kB)	512k (2 x 256kB)	512kB	512kB	512kB
SRAM	512kB	512kB	512kB program + 256kB data	512kB program + 512kB data	512kB program + 512kB data
Extended Memory	None	None	None	8MB Serial Flash	16MB NAND Flash Chip, xD Removable Flash Memory
General Purpose I/O	49 digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	54 digital: 46 configurable, 4 fixed inputs, 4 fixed outputs	52 digital: 44 configurable, 4 fixed inputs, 4 fixed outputs	49 parallel digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	52 parallel digital: 44 configurable, 4 fixed inputs, 4 fixed outputs
Analog Inputs	None	None	None	None	None
Additional Inputs	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset
Additional Outputs	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset
External I/O	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O 8 data, plus I/O Rd, I/O Wr
Serial Ports	Six 3.3V CMOS-compatible config. as asynchronous (with IrDA), 4 config. as clocked (SPI), 2 config. as SDLC/HDLC			Five 3.3V CMOS-compat. config. asynch. (w/ IrDA), 3 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. (prog.)	Six 3.3V CMOS compat. config. asynch (w/ IrDA), 4 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch dedicated (prog.)
Power	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 75mA	3.15 - 3.45V @ 255mA	3.15 - 3.45VDC @ 350mA	3.15 - 3.45VDC @ 350mA
Board Size	2.73" x 1.85" x 0.86"	1.85" x 1.65" x 0.55"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"
Connectors	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers
Included	RabbitCore™ module, development board with prototyping area, Dynamic C development system and documentation on CD-ROM, serial cable, getting started manual, and AC adapter				
Price	$294.99	$226.95	$331.55	$283.95	$378.95

RCM3400 Development Kit

The RCM3400 is based on the low-EMI Rabbit 3000 CPU running at 29.4MHz, with 512kB Flash and 512kB SRAM on board. The development board features a 10/100BaseT Ethernet connection and can be used as a reference design in conjunction with Dynamic C®'s royalty-free TCP/IP software libraries included in the development kit. Additional features include 5 serial ports and 8 analog inputs with programmable gain - all in an extremely small footprint! Each RCM3400 comes with a pre-assigned MAC ID, allowing it to be Ethernet ready.



Part No.	Description	Weight	Price
321031CJ	RCM3400 analog development kit	2.0 lbs.	$378.95

RCM3600, 3700 & 3720 Combo Flash/10Base-T Kits

The RCM3600 and RCM3700/3720 RabbitCore™ development kits are the lowest priced Rabbit 3000 microprocessor based core modules designed for a wide variety of applications. Each is equipped with +5VDC tolerant I/O, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities.



321058CJ

Design Advantages:

- Ready-made platform for fast time-to-market; up to 3 months design integration time savings
- Exceptionally fast performance for math, logic, I/O
- Dynamic C® development environment for real-time development & debugging

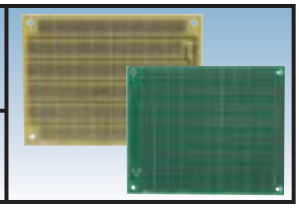


321074CJ/321630CJ

Part No.	Description	Weight	Price
321058CJ	RCM3600 above without ethernet	2.0 lbs.	$226.95
321074CJ	RCM3700 10Base-T enabled, 512kB SRAM kit	2.0 lbs.	283.95
321630CJ	RCM3720 10Base-T enabled, 256kB SRAM kit	2.0 lbs.	188.95

More Prototyping Boards

See pages 256, 257 and 259 for more prototyping boards.



GSM/GPRS and M2M Application Kits

This kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GSM/GPRS modem. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore Module (RCM) that can interpret messages as commands and in turn execute control functions. The RCM can also send/receive GPRS email wirelessly to/from any PC, GSM device, or cell phone. The LCD/keypad module included incorporates a menu system that provides for an easy interface to read or send text messages and email.



321584CJ



321197CJ

Application Kit Highlights

- Hardware/Software for wireless RCM communication and control via GPRS/GSM
- GUI & Keypad configuration menu system
- Royalty-free TCP/IP stack in source code
- Sample programs/libraries for generic modem operation
- Fully integrated software: compiler, editor and debugger for control applications

Part No.	Description	Weight	Price
321584CJ	GSM/GPRS app. kit w/ Enfora modem	2.0 lbs.	$616.55
321197CJ	Machine to Machine (M2M) kit w/ Wavecom modem	2.0 lbs.	663.95

Secure Embedded Web Application Kit

This kit provides optimized software development tools to easily build secure web interfaces for your new and existing applications. Built around the RCM3700 RabbitCore, the Kit offers Secure Socket Layer (SSL), which implements a 128-bit lock and key solution to encrypt data transfers. Software bundles (RabbitWeb, FAT File System and Secure Socket Layer) included enable rapid development of secure web browser interfaces for embedded system control.



Part No.	Description	Weight	Price
321470CJ	Secure Embedded Web Application Kit	2.0 lbs.	$663.95

Imagine Tools Microprocessor and Ethernet Starter Kits, see pages 266 - 267.

Comparison Chart for Rabbit Semiconductor Development Kits

Model No.	RCM3400	RCM3600	RCM3700	RCM3720
Jameco Part No.	321031CJ	321058CJ	321074CJ	321630CJ
CPU Speed	29.4MHz	22.1MHz	22.1MHz	22.1MHz
Ethernet	10/100Base-T, MAC ID installed	None	10Base-T, RJ-45	10Base-T, RJ-45
Flash Memory	512kB	512kB	512kB	512kB
SRAM	512kB	512kB	512kB	256kB
Extended Memory	None	None	1MB Serial Flash	1MB Serial Flash
General Purpose I/O	47 digital: 41 configurable, 3 fixed inputs, 3 fixed outputs	33 parallel digital: 31 configurable, 2 fixed outputs	33 parallel digital: 31 configurable, 2 fixed outputs	33 parallel digital: 31 configurable, 2 fixed outputs
Analog Inputs	8-channels single-ended (11-bit) or 4-channels differential (12-bit)	None	None	None
Additional Inputs	2 Startup mode, Reset In, CONVERT	Reset	Reset	None
Additional Outputs	Status, Reset, BVREF	None	None	None
External I/O	6 address (shared with I/O), 8 data, plus I/O Rd, I/O Wr	5 address (shared w/ I/O), 8 data, plus I/O Rd, I/O Wr	5 address (shared w/ I/O), 8 data, plus I/O Rd, I/O Wr	5 address (shared w/ I/O), 8 data, plus I/O Rd, I/O Wr
Serial Ports	5 CMOS-compatible: 4 configurable as asynchronous (with IrDA), 3 as clocked serial (SPI), and 2 as SDLC/HDLC with IrDA), 1 asynchronous serial port (programming), support for MIR/SIR IrDA transceiver	Four 3.3V CMOS-compatible: 4 configurable as asynchronous (with IrDA), 3 as clocked serial (SPI) and 1 as SDLC/HDLC (with IrDA) or 1 SPI and 2SDLC/HDLC, 1 asynchronous serial port (programming)		
Power	3.0-3.45VDC @ 97mA (29.4MHz); 2.8-3.45VDC @ 57mA (14.7MHz)	4.75-12.6VDC @ 60mA (22.1MHz); 4.75-12.6VDC @ 38mA (11.06MHz)	4.75-5.25VDC @ 100mA (22.1MHz); 4.75-5.25VDC @ 78mA (11.06MHz)	4.75-5.25VDC @ 100mA (22.1MHz); 4.75-5.25VDC @ 78mA (11.06MHz)
Board Size	1.37" x 1.16" x 0.31"	2.10" x 1.20" x 0.62"	2.95" x 1.20" x 0.85"	2.95" x 1.20" x 0.85"
Connectors	Two 2 x 17 (1.27mm)	One 2 x 20, 0.10" IDC header	One 2 x 20, 0.10" IDC header	One 2 x 20, 0.10" IDC header
Included	RabbitCore™ module, development board with prototyping area, Dynamic C® development system and documentation on CD-ROM, serial cable, getting started manual, and AC adapter			
Price	$378.95	$226.95	$283.95	$188.95

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

EPROM

DIP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909CJ	2708✥	DIP-24	1k x 8	450ns (±5V, +12V)	$4.99	$4.29	$3.19
33611CJ	TMS2716✥	DIP-24	2k x 8	450ns (±5V, +12V)	2.25	1.99	1.79
40002CJ	2716✥	DIP-24	2k x 8	450ns (25V)	4.09	3.69	3.29
39706CJ	27C16✥	DIP-24	2k x 8	450ns (25V) CMOS	6.99	5.99	4.99
308662CJ	2716A-2	DIP-24	2k x 8	200ns (21V)	6.79	6.09	5.59
40011CJ	2716-1✥	DIP-24	2k x 8	350ns (25V)	6.49	5.89	5.39
265931CJ	27C16-200	DIP-24	2k x 8	200ns UVPROM (5V)	3.99	3.59	2.99
265965CJ	27C16-150	DIP-24	2k x 8	150ns UVPROM (5V)	7.19	5.49	4.69
40096CJ	2732✥	DIP-24	4k x 8	450ns (25V)	6.49	5.49	4.19
39765CJ	27C32✥	DIP-24	4k x 8	450ns (25V) CMOS	5.49	4.19	2.89
40133CJ	2732A-45✥	DIP-24	4k x 8	450ns (21V)	3.99	3.69	3.29
33591CJ	TMS2532✥	DIP-24	4k x 8	450ns (21V)	3.99	3.59	3.19
114876CJ	2732B✥	DIP-24	4k x 8	450ns (12.5V)	4.19	3.79	3.39
40125CJ	2732A-25✥	DIP-24	4k x 8	250ns (21V)	4.99	4.49	3.99
40109CJ	2732A-20✥	DIP-24	4k x 8	200ns (21V)	6.49	5.99	5.49
265990CJ	27C32-200	DIP-24	4k x 8	200ns UVPROM (5V)	5.99	4.99	3.99
266001CJ	27C32-150	DIP-24	4k x 8	150ns UVPROM (5V)	6.99	5.99	4.99
40205CJ	2764-25✥	DIP-28	8k x 8	250ns (21V)	5.29	4.79	4.29
40248CJ	2764A-25✥	DIP-28	8k x 8	250ns (12.5V)	3.99	3.69	3.09
39845CJ	27C64-25✥	DIP-28	8k x 8	250ns (12.5V) CMOS	4.49	4.09	3.79
40192CJ	2764-20✥	DIP-28	8k x 8	200ns (21V)	5.29	4.79	4.29
40230CJ	2764A-20✥	DIP-28	8k x 8	200ns (12.5V)	4.49	4.09	3.69
74608CJ	27C64-20✥	DIP-28	8k x 8	200ns (12.5V) CMOS	4.69	4.29	3.79
39829CJ	27C64-15✥	DIP-28	8k x 8	150ns (12.5V) CMOS	3.79	3.49	2.99
105304CJ	27C64-12✥	DIP-28	8k x 8	120ns (12.5V) CMOS	6.49	5.99	5.49
266036CJ	27C64-100	DIP-28	8k x 8	100ns UVPROM (5V)	4.09	3.59	2.69
266044CJ	27C64-70	DIP-28	8k x 8	70ns UVPROM (5V)	5.39	5.19	4.39
266052CJ	CY7C264-55WC	DIP-24	8k x 8	55ns UVPROM (5V)	6.49	5.99	5.49
39933CJ	27128-25✥	DIP-28	16k x 8	250ns (21V)	4.29	3.99	3.49
39984CJ	27128A-25✥	DIP-28	16k x 8	250ns (12.5V)	4.49	4.09	3.69
39685CJ	27C128-25✥	DIP-28	16k x 8	250ns (12.5V) CMOS	3.99	3.59	3.29
39968CJ	27128A-20✥	DIP-28	16k x 8	200ns (12.5V)	4.69	4.19	3.79
101101CJ	27C128-20✥	DIP-28	16k x 8	200ns (12.5V) CMOS	4.39	3.95	3.56
39950CJ	27128A-15✥	DIP-28	16k x 8	150ns (12.5V)	4.49	3.99	3.59
39677CJ	27C128-15✥	DIP-28	16k x 8	150ns (12.5V) CMOS	4.29	3.89	3.49
87935CJ	27C128-12✥	DIP-28	16k x 8	120ns (12.5V) CMOS	4.69	4.09	3.69
266061CJ	27C128-100	DIP-28	16k x 8	100ns (12Vpp)	4.89	4.29	3.89
149665CJ	27C128-70	DIP-28	16k x 8	70ns (12.5V)	4.89	4.29	3.89
40061CJ	27256-25✥	DIP-28	32k x 8	250ns (12V)	3.19	2.99	2.69
39731CJ	27C256-25✥	DIP-28	32k x 8	250ns (12.5V) CMOS	3.19	2.99	2.69
40045CJ	27256-20✥	DIP-28	32k x 8	200ns (12.5V)	3.69	3.29	2.99
39722CJ	27C256-20✥	DIP-28	32k x 8	200ns (12.5V) CMOS	2.59	2.49	2.19
40037CJ	27256-15✥	DIP-28	32k x 8	150ns (12.5V)	3.29	3.09	2.79
39714CJ	27C256-15✥	DIP-28	32k x 8	150ns (12.5V) CMOS	2.09	1.79	1.59
65904CJ	27C256-12✥	DIP-28	32k x 8	120ns (12.5V) CMOS	2.09	1.99	1.79
112740CJ	27C256-10✥	DIP-28	32k x 8	100ns (12.5V) CMOS	3.29	3.09	2.59
140476CJ	27C256-70✥	DIP-28	32k x 8	70ns (12.5V) CMOS	3.39	3.19	2.99
266079CJ	27C256-55	DIP-28	32k x 8	55ns UVPROM (5V)	4.99	4.79	4.29
40168CJ	27512-25✥	DIP-28	64k x 8	250ns (12.5V)	3.69	3.39	3.09
39802CJ	27C512-25✥	DIP-28	64k x 8	250ns (12.5V) CMOS	4.75	4.39	3.95
40150CJ	27512-20✥	DIP-28	64k x 8	200ns (12.5V)	2.69	2.39	2.19
39790CJ	27C512-20✥	DIP-28	64k x 8	200ns (12.5V) CMOS	3.09	2.89	2.59
39781CJ	27C512-15✥	DIP-28	64k x 8	150ns (12.5V) CMOS	2.09	1.99	1.79
39773CJ	27C512-12✥	DIP-28	64k x 8	120ns (12.5V) CMOS	1.69	1.59	1.49
131959CJ	27C512-10✥	DIP-28	64k x 8	100ns (12.5V) CMOS	3.19	2.99	2.49
175206CJ	27C512-90✥	DIP-28	64k x 8	90ns (12.5V) CMOS	2.79	2.59	2.39
203625CJ	27C512-70	DIP-28	64k x 8	70ns (12.5V) CMOS	2.89	2.49	2.19
266087CJ	27C512-55	DIP-28	64k x 8	55ns (12Vpp)	3.59	3.39	3.19
203617CJ	27C512-45	DIP-28	64k x 8	45ns (12.5V) CMOS	4.09	3.79	3.49
118148CJ	27C1024-15	DIP-40	64k x 16	150ns (12.5V) CMOS	5.29	4.79	4.39
203641CJ	27C1024-12	DIP-40	64k x 16	120ns (12.5V) CMOS	5.29	4.79	4.39
203633CJ	27C1024-80	DIP-40	64k x 16	80ns (12.5V) CMOS	5.29	4.79	4.39
39669CJ	27C010-20✥	DIP-32	128k x 8	200ns (12.5V) CMOS	2.39	2.29	1.99
39651CJ	27C010-15✥	DIP-32	128k x 8	150ns (12.5V) CMOS	2.19	1.99	1.75
74624CJ	27C010-12✥	DIP-32	128k x 8	120ns (12.5V) CMOS	2.09	1.99	1.79
79231CJ	27C010-10✥	DIP-32	128k x 8	100ns (12.5V) CMOS	2.39	1.99	1.75
137699CJ	27C010-80✥	DIP-32	128k x 8	80ns (12.5V) CMOS	3.99	3.59	2.99
146149CJ	27C010-70✥	DIP-32	128k x 8	70ns (12.5V) CMOS	2.49	2.29	2.09

✥ Refurbished = Backed by Jameco

EPROM (Continued)

DIP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
266095CJ	27C010-55	DIP-32	128k x 8	55ns (12Vpp)	$5.29	$4.89	$4.49
137701CJ	27C010-45✥	DIP-32	128k x 8	45ns (12.5V) CMOS	3.99	3.19	2.89
65681CJ	27C020-20✥	DIP-32	256k x 8	200ns (12.5V) CMOS	4.99	4.59	3.99
65699CJ	27C020-15✥	DIP-32	256k x 8	150ns (12.5V) CMOS	5.29	4.99	4.49
78852CJ	27C020-12✥	DIP-32	256k x 8	120ns (12.5V) CMOS	5.29	4.89	4.49
156267CJ	27C020-10	DIP-32	256k x 8	100ns (12.5V) CMOS	4.09	3.89	3.49
203650CJ	27C020-80	DIP-32	256k x 8	80ns (12.5V) CMOS	4.39	3.99	3.89
266108CJ	27C020-70	DIP-32	256k x 8	70ns UVPROM (5V)	4.89	4.49	3.39
266116CJ	27C020-55	DIP-32	256k x 8	55ns UVPROM (5V)	6.89	6.55	6.21
127933CJ	27C4096-12	DIP-40	256k x 16	120ns (12.5V) CMOS	9.29	8.69	7.89
85462CJ	27C040-15✥	DIP-32	512k x 8	150ns (12.5V) CMOS	6.59	6.09	5.59
102293CJ	27C040-12✥	DIP-32	512k x 8	120ns (12.5V) CMOS	6.59	6.09	5.59
111780CJ	27C040-10✥	DIP-32	512k x 8	100ns (12.5V) CMOS	7.09	6.49	5.89
203676CJ	27C040-80	DIP-32	512k x 8	80ns (12.5V) CMOS ~~$7.39~~	5.45	4.99	4.95
266124CJ	27C040-70	DIP-32	512k x 8	70ns UVPROM (5V)	6.05	5.19	5.15
266132CJ	27C040-55	DIP-32	512k x 8	55ns UVPROM (5V)	9.49	8.59	7.59
203668CJ	27C040-45	DIP-32	512k x 8	45ns (12.5V) CMOS	9.99	9.09	8.09
140003CJ	27C080-12✥	DIP-32	1M x 8	120ns (12.5V) CMOS	12.59	11.59	10.59
265842CJ	27C800-12	DIP-42	1M x 8	120ns UVPROM (5V)	12.59	11.59	10.59
156275CJ	27C080-10✥	DIP-32	1M x 8	100ns (12.5V) CMOS	12.99	11.99	10.99
203684CJ	27C080-90	DIP-32	1M x 8	90ns (12.5V) CMOS	12.99	11.99	10.99
156283CJ	27C160-10	DIP-42	2M x 8	100ns (12.5V) CMOS	19.99	18.99	17.99

✥ Refurbished = Backed by Jameco

See EPROM programmers and erasers on pages 260 & 261

EPROM Accessories

Part No.	Cross Ref.	Description	1	5
13864CJ	CF2	Conductive foam (12" x 24" x .25") hard black	$9.29	$8.35
66042CJ	DE1	UVP portable EPROM eraser, pg 261	51.85	49.95
15712CJ	DE4	8-chip UV-EPROM eraser, pg 261	106.85	101.49

OTP/PROM

DIP PLCC SOIC TSSOP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48531CJ	74S188	DIP-16	32 x 8	Open collector (27S18)	$4.39	$3.95	$3.45
48717CJ	74S288	DIP-16	32 x 8	Tri-st. (27S19/TBP18S030N)	7.39	6.39	5.49
27844CJ	N82S23	DIP-16	32 x 8	PROM (OC) (27S18)	5.99	5.39	4.89
27764CJ	N82S123	DIP-16	32 x 8	PROM tri-state (27S19)	8.89	8.49	8.09
48696CJ	74S287	DIP-16	256 x 4	Tri-state (TBP24S10N)	8.95	7.85	7.09
48805CJ	74S387	DIP-16	256 x 4	Open collector (TBP24A10N)	3.09	2.79	2.55
27772CJ	N82S126	DIP-16	256 x 4	PROM (OC) (27S20)	10.95	10.39	9.85
27781CJ	N82S129	DIP-16	256 x 4	PROM tri-state (27S21)	9.95	9.45	8.99
48910CJ	74S571	DIP-16	512 x 4	Tri-state (27S13)	5.69	5.45	4.95
27799CJ	N82S131	DIP-16	512 x 4	PROM tri-state (27S13)	7.99	6.99	5.99
48928CJ	74S573	DIP-18	1k x 4	Tri-state (27S33)	3.39	2.89	2.59
27801CJ	N82S137	DIP-18	1k x 4	PROM tri-state (27S33)	6.95	6.25	5.65
27810CJ	N82S181	DIP-24	1k x 8	Bipolar PROM tri-state	6.59	5.59	4.89
27828CJ	N82S185	DIP-18	2k x 4	PROM tri-state	3.89	3.19	3.09
27836CJ	N82S191	DIP-24	2k x 8	PROM tri-state	8.95	7.85	7.15
266212CJ	27C64A-20	PLCC-32	8k x 8	200ns CMOS	2.19	2.09	1.69
394978CJ	AT27C256R-45JI	PLCC-32	32k x 8	45ns OTP, LP, I-temp.	1.09	.88	.87
394986CJ	AT27C256R-45PI	DIP-28	32k x 8	45ns OTP, LP, I-temp.	1.09	.88	.87
394994CJ*	AT27C256R-45RI	SOIC-28	32k x 8	45ns OTP, LP, I-temp.	*Call	*Call	*Call
395006CJ*	AT27C256R-45TI	TSSOP-28	32k x 8	45ns OTP, LP, I-temp.	*Call	*Call	*Call
395209CJ*	AT27LV256A-55JI	PLCC-32	32k x 8	55ns OTP, LP, low-volt, I-temp.	*Call	*Call	*Call
266327CJ	27C256-55	PLCC-32	32k x 8	55ns CMOS	2.39	2.29	1.89
395014CJ	AT27C256R-70JI	PLCC-32	32k x 8	70ns OTP, LP, I-temp.	.95	.76	.75
395022CJ*	AT27C256R-70RI	SOIC-28	32k x 8	70ns OTP, LP, I-temp.	*Call	*Call	*Call
266319CJ	27C256-70	PLCC-32	32k x 8	70ns CMOS	2.09	1.99	1.89
395217CJ*	AT27LV256A-70JI	PLCC-32	32k x 8	70ns OTP, LP, low-volt, I-temp.	*Call	*Call	*Call
395225CJ*	AT27LV256A-70RI	SOIC-28	32k x 8	70ns OTP, LP, low-volt, I-temp.	*Call	*Call	*Call
395233CJ*	AT27LV256A-70TI	TSSOP-28	32k x 8	70ns OTP, LP, low-volt, I- temp.	*Call	*Call	*Call
395241CJ*	AT27LV256A-90JI	PLCC-32	32k x 8	90ns OTP, LP, low-volt, I-temp.	*Call	*Call	*Call
395250CJ*	AT27LV256A-90RI	SOIC-28	32k x 8	90ns OTP, LP, low-volt, I-temp.	*Call	*Call	*Call
395268CJ*	AT27LV256A-90TI	TSSOP-28	32k x 8	90ns OTP, LP, low-volt, I-temp.	*Call	*Call	*Call
266280CJ	27C256-10	PLCC-32	32k x 8	100ns CMOS	1.99	1.79	1.69
394661CJ*	AT27BV256-12JC	PLCC-32	32k x 8	120ns 2.7V high-speed OTP	*Call	*Call	*Call

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

OTP/PROM (Continued) NEW

DIP PLCC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
266255CJ	27C256-15	PLCC-32	32k x 8	150ns CMOS	$1.69	$1.49	$1.39
266247CJ	27C256-20	PLCC-32	32k x 8	200ns CMOS	1.59	1.39	1.29
395111CJ*	AT27C516-45JI	PLCC-44	32k x 16	45ns OTP, LP, I-temp.	*Call	*Call	*Call
395129CJ*	AT27C516-45VI	VSOP-40	32k x 16	45ns OTP, LP, I-temp.	*Call	*Call	*Call
395049CJ	AT27C512R-45PI	DIP-28	64k x 8	45ns OTP, LP, I-temp.	1.09	.88	.87
395057CJ*	AT27C512R-45RI	SOIC-28	64k x 8	45ns OTP, LP, I-temp.	*Call	*Call	*Call
395065CJ*	AT27C512R-45TI	TSSOP-28	64k x 8	45ns OTP, LP, I-temp.	*Call	*Call	*Call
266386CJ	27C512-55	PLCC-32	64k x 8	55ns CMOS	2.49	2.39	2.19
395073CJ	AT27C512R-70JI	PLCC-32	64k x 8	70ns OTP, LP, I-temp.	1.09	.88	.87
395081CJ	AT27C512R-70PI	DIP-28	64k x 8	70ns OTP, LP, I-temp.	1.09	.88	.87
395090CJ*	AT27C512R-70RI	SOIC-28	64k x 8	70ns OTP, LP, I-temp.	*Call	*Call	*Call
395102CJ*	AT27C512R-70TI	TSSOP-28	64k x 8	70ns OTP, LP, I-temp.	*Call	*Call	*Call
266351CJ	27C512-70	PLCC-32	64k x 8	70ns CMOS	2.29	2.19	1.99
395276CJ*	AT27LV512A-90RI	SOIC-28	64k x 8	90ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
203730CJ	27C512-10	PLCC-32	64k x 8	100ns (12.5V) CMOS	1.99	1.89	1.79
203692CJ	27C512-12 OTP	DIP-28	64k x 8	120ns (12.5V) CMOS	2.19	1.99	1.89
266343CJ	27C512-15	PLCC-32	64k x 8	150ns CMOS	1.89	1.79	1.59
266335CJ	27C512-20	PLCC-32	64k x 8	200ns CMOS	1.79	1.69	1.49
394880CJ*	AT27C1024-45JI	PLCC-44	64k x 16	45ns OTP, I-temp.	*Call	*Call	*Call
394898CJ*	AT27C1024-45PI	DIP-40	64k x 16	45ns OTP, I-temp.	*Call	*Call	*Call
394901CJ*	AT27C1024-45VI	VSOP-40	64k x 16	45ns OTP, I-temp.	*Call	*Call	*Call
394919CJ*	AT27C1024-70PI	DIP-40	64k x 16	70ns OTP, I-temp.	*Call	*Call	*Call
394644CJ	AT27BV1024-12JI	PLCC-44	64k x 16	120ns 2.7V OTP high-spd, I-tmp.	3.99	3.91	3.87
394652CJ	AT27BV1024-12VI	VSOP-40	64k x 16	120ns 2.7V OTP high-spd, I-tmp.	5.09	4.75	4.70
394679CJ*	AT27C010-45PI	DIP-32	128k x 8	45ns OTP, I-temp.	*Call	*Call	*Call
394687CJ*	AT27C010-45TI	TSSOP-32	128k x 8	45ns OTP, I-temp.	*Call	*Call	*Call
394724CJ*	AT27C010L-45JC	PLCC-32	128k x 8	45ns OTP, LP	*Call	*Call	*Call
394732CJ*	AT27C010L-45TC	TSSOP-32	128k x 8	45ns OTP, LP	*Call	*Call	*Call
394741CJ*	AT27C010L-45TI	TSSOP-32	128k x 8	45ns OTP, LP, I-temp.	*Call	*Call	*Call
266811CJ	27C010-55	PLCC-32	128k x 8	55ns CMOS	2.39	1.57	1.55
394695CJ	AT27C010-70JI	PLCC-32	128k x 8	70ns OTP, I-temp.	2.15	1.75	1.52
394708CJ	AT27C010-70PI	DIP-32	128k x 8	70ns OTP, I-temp.	1.25	1.05	1.04
394716CJ*	AT27C010-70TI	TSSOP-32	128k x 8	70ns OTP, I-temp.	*Call	*Call	*Call
266802CJ	27C010-70	PLCC-32	128k x 8	70ns CMOS	2.29	2.19	1.99
394610CJ*	AT27BV010-90JI	PLCC-32	128k x 8	90ns, 2.7V OTP CMOS, I-tmp.	*Call	*Call	*Call
395137CJ*	AT27LV010A-90JI	PLCC-32	128k x 8	90ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
395145CJ*	AT27LV010A-90TI	TSSOP-32	128k x 8	90ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
395153CJ*	AT27LV010A-90VI	VSOP-32	128k x 8	90ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
203705CJ	27C010-10 OTP	DIP-32	128k x 8	100ns (12.5V) CMOS	2.29	2.19	1.99
203748CJ	27C010-10	PLCC-32	128k x 8	100ns (12.5V) CMOS	2.09	1.78	1.33
266790CJ	27C010-15	PLCC-32	128k x 8	150ns CMOS	1.59	1.39	1.29
266394CJ	27C010-20	PLCC-32	128k x 8	200ns CMOS	1.49	1.29	1.19
394935CJ*	AT27C2048-55JI	PLCC-44	128k x 16	55ns OTP, I-temp.	*Call	*Call	*Call
394943CJ*	AT27C2048-55PI	DIP-40	128k x 16	55ns OTP, I-temp.	*Call	*Call	*Call
394951CJ*	AT27C2048-55VI	VSOP-40	128k x 16	55ns OTP, I-temp.	*Call	*Call	*Call
394960CJ*	AT27C2048-90PI	DIP-40	128k x 16	90ns OTP, I-temp.	*Call	*Call	*Call
394767CJ*	AT27C020-55PI	DIP-32	256k x 8	55ns OTP, I-temp.	*Call	*Call	*Call
267101CJ	27C020-70	PLCC-32	256k x 8	70ns CMOS	3.89	3.79	3.19
394791CJ	AT27C020-90PI	DIP-32	256k x 8	90ns OTP, I-temp.	1.65	1.40	1.38
394804CJ*	AT27C020-90TI	TSSOP-32	256k x 8	90ns OTP, I-temp.	*Call	*Call	*Call
203713CJ	27C020-10 OTP	DIP-32	256k x 8	100ns (12.5V) CMOS	3.69	3.32	2.99
203756CJ	27C020-10	PLCC-32	256k x 8	100ns (12.5V) CMOS	3.79	3.69	3.29
395161CJ*	AT27LV020A-12JI	PLCC-32	256k x 8	120ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
395170CJ*	AT27LV020A-12TI	TSSOP-32	256k x 8	120ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
395188CJ*	AT27LV020A-12VI	VSOP-32	256k x 8	120ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
266888CJ	27C020-15	PLCC-32	256k x 8	150ns CMOS	3.89	3.69	3.29
266853CJ	27C020-20	PLCC-32	256k x 8	200ns (12V) CMOS	3.69	3.49	3.19
395031CJ*	AT27C4096-90VI	VSOP-40	256k x 16	90ns OTP, LP, I-temp.	*Call	*Call	*Call
394839CJ	AT27C040-90JI	PLCC-32	512k x 8	90ns OTP, I-temp.	2.49	2.19	2.17
394847CJ*	AT27C040-90PI	DIP-32	512k x 8	90ns OTP, I-temp.	*Call	*Call	*Call
394855CJ*	AT27C040-90TI	TSSOP-32	512k x 8	90ns OTP, I-temp.	*Call	*Call	*Call
203764CJ	27C040-10	PLCC-32	512k x 8	100ns (12.5V) CMOS	5.95	5.06	3.79
395196CJ*	AT27LV040A-12VI	VSOP-32	512k x 8	120ns OTP, LP, low-volt, I-tmp.	*Call	*Call	*Call
203721CJ	27C040-12	DIP-32	512k x 8	120ns (12.5V) CMOS	~~$4.79~~ 3.65	3.32	3.02
267160CJ	27C040-15	PLCC-32	512k x 8	150ns CMOS	~~$5.49~~ 3.79	3.35	2.52
394863CJ*	AT27C080-90PI	DIP-32	1M x 8	90ns OTP, I-temp.	*Call	*Call	*Call
394871CJ*	AT27C080-90TI	TSSOP-32	1M x 8	90ns OTP, I-temp.	*Call	*Call	*Call
267303CJ	27C080-10	PLCC-32	1M x 8	100ns CMOS	9.99	8.89	7.69
267215CJ	27C080-15	PLCC-32	1M x 8	150ns (12V) CMOS	7.65	7.25	6.55

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

EEPROM NEW

TSSOP DIP SOIC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
276584CJ	24C00	SOIC-8	16 x 8	Serial	$.32	$.31	$.29
276568CJ	24C00	DIP-8	16 x 8	Serial	.26	.25	.23
200627CJ	24C44	DIP-8	16 x 16	Serial CMOS	1.99	1.79	1.61
276955CJ	93C46	SOIC-8	64 x 16	3-wire serial	.37	.34	.29
102058CJ	93C46	DIP-8	64 x 16	Serial (5V)	.35	.30	.22
370562CJ*	AT93C46-10PI-1.8	DIP-8	64 x 16	3-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
276592CJ	24C01	DIP-8	128 x 8	2-wire serial	.36	.29	.25
276621CJ	24C01	SOIC-8	128 x 8	2-wire serial	.29	.27	.20
368649CJ*	AT24C01A-10PI-2.7	DIP-8	128 x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
368657CJ*	AT24C01A-10PI-1.8	DIP-8	128 x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
368711CJ	AT24C01A-10SI-2.7	SOIC-8	128 x 8	2-wire serial, 2.7V, I-temp.	.56	.481	.454
368690CJ*	AT24C01A-10SI-1.8	SOIC-8	128 x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
276971CJ	93C56	SOIC-8	128 x 16	3-wire serial	.54	.50	.41
108855CJ	93C56	DIP-8	128 x 16	Serial (5V)	~~$.69~~ .38	.35	.32
276630CJ	24C02	SOIC-8	256 x 8	2-wire serial	.37	.36	.27
368770CJ*	AT24C02A-10PI-1.8	DIP-8	256 x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
368825CJ*	AT24C02A-10TI-1.8	TSSOP-8	256 x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
368833CJ*	AT24C02A-10TI-2.7	TSSOP-8	256 x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
368868CJ*	AT24C02AN-10SI-2.7	SOIC-8	256 x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
368913CJ	AT24C02N-10SI-1.8	SOIC-8	256 x 8	2-wire serial, 1.8V, I-temp.	.58	.46	.415
108839CJ	24C02P	DIP-8	256 x 8	Serial CMOS	.47	.40	.30
369609CJ*	AT25020A-10TI-1.8	TSSOP-8	256 x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
368673CJ*	AT25020A-10PI-1.8	DIP-8	256 x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
369617CJ	AT25020A-10PI-2.7	DIP-8	256 x 8	SPI serial, 2.7V, I-temp.	.56	.54	.49
368737CJ	AT25640AN-10SI-1.8	DIP-8	256 x 8	SPI serial, 1.8V, I-temp.	1.15	.90	.70
276980CJ	93C66	SOIC-8	256 x 16	3-wire serial	.37	.36	.32
200598CJ	93C66	DIP-8	256 x 16	Serial (5V)	.69	.62	.55
276648CJ	24C04	SOIC-8	512 x 8	2-wire serial	.34	.27	.24
368964CJ*	AT24C04A-10PI-1.8	DIP-8	512 x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
368930CJ	AT24C04A-10PI-2.7	DIP-8	512 x 8	2-wire serial, 2.7V, I-temp.	.53	.48	.33
108847CJ	24C04P	DIP-8	512 x 8	Serial CMOS	.89	.79	.69
369001CJ*	AT24C04A-10TI-1.8	TSSOP-8	512 x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369078CJ*	AT24C04AN-10SI-1.8	SOIC-8	512 x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369086CJ	AT24C04AN-10SI-2.7	SOIC-8	512 x 8	2-wire serial, 2.7V, I-temp.	.69	.66	.60
276664CJ	24C08	SOIC-8	1k x 8	2-wire serial	.32	.31	.29
200547CJ	24C08-10	DIP-8	1k x 8	Serial CMOS	.75	.71	.59
369211CJ*	AT24C08-10PC-2.7	DIP-8	1k x 8	2-wire serial, 2.7V	*Call	*Call	*Call
369140CJ*	AT24C08A-10PI-1.8	DIP-8	1k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369246CJ*	AT24C08A-10PI-2.7	DIP-8	1k x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
369107CJ*	AT24C08A-10TI-1.8	TSSOP-8	1k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369051CJ*	AT24C08AN-10SI-1.8	SOIC-8	1k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369220CJ	AT24C08AN-10SI-2.7	SOIC-8	1k x 8	2-wire serial, 2.7V, I-temp.	.31	.305	.285
369676CJ*	AT25080A-10PI-2.7	DIP-8	1k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
369035CJ*	AT25080A-10TI-1.8	TSSOP-8	1k x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
369692CJ*	AT25080A-10TI-2.7	TSSOP-8	1k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
369684CJ*	AT25080AN-10SI-1.8	SOIC-8	1k x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
277018CJ	93C86	SOIC-8	1k x 16	Microwire serial	.51	.39	.36
200601CJ	93C86	DIP-8	1k x 16	Serial (5V)	.69	.62	.55
276681CJ	24C16	SOIC-8	2k x 8	2-wire serial	.45	.42	.37
200555CJ	24C16-10	DIP-8	2k x 8	Serial CMOS	1.19	1.05	.79
369385CJ	AT24C16A-10PI-1.8	DIP-8	2k x 8	2-wire serial, 1.8V, I-temp.	.44	.37	.335
369369CJ*	AT24C16A-10PI-2.7	DIP-8	2k x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
369351CJ*	AT24C16A-10TI-1.8	TSSOP-8	2k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369393CJ*	AT24C16A-10TI-2.7	TSSOP-8	2k x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
368809CJ	AT24C16AN-10SI-1.8	SOIC-8	2k x 8	2-wire serial, 1.8V, I-temp.	.42	.407	.378
368948CJ	AT24C16AN-10SI-2.7	SOIC-8	2k x 8	2-wire serial, 2.7V, I-temp.	.37	.36	.34

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

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EEPROM (Continued) NEW

DIP TSSOP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
369836CJ	AT25160-10PI-1.8	DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	$.92	$.90	$.80
369810CJ	AT25160A-10PI-1.8	DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	.52	.50	.453
369828CJ*	AT25160A-10PI-2.7	DIP-8	2k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
369916CJ*	AT25160A-10TI-1.8	TSSOP-8	2k x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
369844CJ*	AT25160A-10TI-2.7	TSSOP-8	2k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
369852CJ	AT25160AN-10SI-2.7	SOIC-8	2k x 8	SPI serial, 2.7V, I-temp.	.72	.60	.53
369879CJ*	AT25160N-10SC-2.7	SOIC-8	2k x 8	SPI serial, 2.7V	*Call	*Call	*Call
369861CJ*	AT25160N-10SI-1.8	SOIC-8	2k x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
395292CJ	AT28BV16-25JC	PLCC-32	2k x 8	250ns 2.7V batt volt CMOS	3.25	3.22	3.19
395305CJ*	AT28BV16-25PC	DIP-24	2k x 8	250ns 2.7V batt volt CMOS	*Call	*Call	*Call
395313CJ*	AT28BV16-25SC	SOIC-24	2k x 8	250ns 2.7V batt volt CMOS	*Call	*Call	*Call
276699CJ	28C16	SOIC-24	2k x 8	Parallel	2.35	1.91	1.69
74691CJ	28C16A-25	DIP-24	2k x 8	250ns (5V) CMOS DATA polling	3.99	3.69	3.39
276701CJ	28C17	DIP-28	2k x 8	Parallel	2.29	2.05	1.95
395356CJ*	AT28C17-15SC	SOIC-28	2k x 8	150ns 5V parallel	*Call	*Call	*Call
395364CJ*	AT28C17-15SI	SOIC-28	2k x 8	150ns 5V parallel, I-temp.	*Call	*Call	*Call
40416CJ	2817A-25✣	DIP-28	2k x 8	250ns 5V read/write, Ready/Busy pin	7.95	7.15	6.49
276728CJ	24C32	SOIC-8	4k x 8	2-wire serial	.56	.55	.48
200563CJ	24C32-10	DIP-8	4k x 8	Serial CMOS	1.79	1.69	1.39
369422CJ*	AT24C32A-10TI-2.7	TSSOP-8	4k x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
369465CJ*	AT24C32A-10PI-1.8	DIP-8	4k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369449CJ	AT24C32A-10PI-2.7	DIP-8	4k x 8	2-wire serial, 2.7V, I-temp.	.76	.65	.47
369473CJ	AT24C32AN-10SI-1.8	SOIC-8	4k x 8	2-wire serial, 1.8V, I-temp. 0.15" W	.47	.46	.42
369481CJ	AT24C32AN-10SI-2.7	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp. 0.15" W	1.09	.86	.77
369502CJ	AT24C32AW-10SI-2.7	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp.	2.35	1.43	1.27
368788CJ*	AT25320A-10PI-2.7	DIP-8	4k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
369983CJ	AT25320AN-10SI-2.7	SOIC-8	4k x 8	SPI serial, 2.7V, I-temp.	1.49	1.43	1.30
370010CJ*	AT25320N-10SI-2.7	SOIC-8	4k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
276744CJ	24C64	SOIC-8	8k x 8	2-wire serial	.66	.64	.57
369588CJ*	AT24C64A-10PI-1.8	DIP-8	8k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
368850CJ*	AT24C64A-10PI-2.7	DIP-8	8k x 8	2-wire serial, 2.7V, I-temp.	*Call	*Call	*Call
369553CJ*	AT24C64A-10TI-1.8	TSSOP-8	8k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369570CJ	AT24C64A-10TI-2.7	TSSOP-8	8k x 8	2-wire serial, 2.7V, I-temp.	4.35	3.85	3.73
369537CJ	AT24C64AN-10SI-2.7	SOIC-8	8k x 8	2-wire serial, 2.7V, I-temp.	.49	.48	.453
200619CJ	24C65	DIP-8	8k x 8	Serial CMOS	1.89	1.69	1.49
370159CJ*	AT25640A-10PI-1.8	DIP-8	8k x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
370167CJ*	AT25640A-10PI-2.7	DIP-8	8k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
368905CJ*	AT25640A-10TI-1.8	TSSOP-8	8k x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call
368884CJ*	AT25640A-10TI-2.7	TSSOP-8	8k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
276752CJ	28C64	SOIC-28	8k x 8	EEPROM	3.69	3.49	3.43
370319CJ*	AT28C64-12SI	SOIC-28	8k x 8	Parallel, 12ns, I-temp.	*Call	*Call	*Call
74827CJ	28C64A-25	DIP-28	8k x 8	250ns, 5V CMOS	4.49	4.05	3.65
395381CJ*	AT28LV64B-20JC	PLCC-32	8k x 8	200ns 3V low volt w/ pg wrt/sftwr data prot	*Call	*Call	*Call
395401CJ*	AT28LV64B-20PC	DIP-28	8k x 8	200ns 3V low volt w/ pg wrt/sftwr data prot	*Call	*Call	*Call
395410CJ*	AT28LV64B-20PI	DIP-28	8k x 8	200ns 3V low volt w/ pg wrt/sftwr data prot, I-tmp	*Call	*Call	*Call
395428CJ*	AT28LV64B-20SI	SOIC-28	8k x 8	200ns 3V low volt w/ pg wrt/sftwr data prot, I-tmp	*Call	*Call	*Call
395436CJ*	AT28LV64B-20TC	TSSOP-28	8k x 8	200ns 3V low volt w/ pg wrt/sftwr data prot	*Call	*Call	*Call
40475CJ	2865A✣	DIP-28	8k x 8	250ns 5V read/write	4.95	4.49	4.05
276787CJ	24C128	SOIC-8	16k x 8	2-wire serial	1.05	.99	.89
200571CJ	24C128-10	DIP-8	16k x 8	Serial CMOS	1.85	1.48	1.20
369271CJ	AT24C128-10PI-1.8	DIP-8	16k x 8	2-wire serial, 1.8V, I-temp.	1.89	1.86	1.65
369289CJ	AT24C128-10PI-2.7	DIP-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.85	1.70
369318CJ*	AT24C128N-10SI-1.8	SOIC-8	16k x 8	2-wire serial, 1.8V, I-temp. 0.15" W	*Call	*Call	*Call
369334CJ*	AT24C128W-10SI-1.8	SOIC-8	16k x 8	2-wire serial, 1.8V, I-temp.	*Call	*Call	*Call
369326CJ	AT24C128W-10SI-2.7	SOIC-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.83	1.68
369756CJ*	128A-10PI-2.7	DIP-8	16k x 8	SPI serial, 2.7V, I-temp.	*Call	*Call	*Call
369801CJ*	AT25128A-10TI-1.8	TSSOP-8	16k x 8	SPI serial, 1.8V, I-temp.	*Call	*Call	*Call

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

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EEPROM NEW

SOIC PLCC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
276808CJ	24C256	SOIC-8	32k x 8	2-wire serial	$1.45	$1.41	$1.25
200580CJ	24C256-10	DIP-8	32k x 8	Serial CMOS	3.19	2.39	2.15
369406CJ	AT24C256W-10SI-1.8	SOIC-8	32k x 8	2-wire serial, 1.8V, I-temp.	3.15	2.54	2.25
369414CJ	AT24C256W-10SI-2.7	SOIC-8	32k x 8	2-wire serial, 2.7V, I-temp.	3.19	3.12	2.87
395321CJ*	AT28BV256-20JI	PLCC-32	32k x 8	200ns 2.7V batt volt parallel, I-temp.	*Call	*Call	*Call
395330CJ	AT28BV256-20SC	SOIC-28	32k x 8	200ns 2.7V batt volt parallel	11.45	10.70	10.60
395348CJ*	AT28BV256-20TI	TSSOP-28	32k x 8	200ns 2.7V batt volt parallel, I-temp.	*Call	*Call	*Call
276816CJ	28C256	SOIC-28	32k x 8	Paged parallel CMOS	8.49	7.69	7.05
74878CJ	28C256-25	DIP-28	32k x 8	250ns CMOS	8.75	7.45	5.59
74843CJ	28C256-15	DIP-28	32k x 8	150ns CMOS	8.99	6.89	6.19
370183CJ	AT28C256-15PC	DIP-28	32k x 8	150ns paged parallel	3.95	3.58	3.54
370191CJ*	AT28C256-15TI	TSSOP-28	32k x 8	150ns paged parallel, I-temp.	*Call	*Call	*Call
370239CJ*	AT28C256F-15JI	PLCC-32	32k x 8	Paged parallel, 15ns	*Call	*Call	*Call
370538CJ*	AT28HC256-12PC	DIP-28	32k x 8	120ns high speed parallel	*Call	*Call	*Call
368681CJ*	AT28HC256-12SI	SOIC-28	32k x 8	High speed parallel, I-temp.	*Call	*Call	*Call
370546CJ*	AT28HC256-12TC	TSSOP-28	32k x 8	120ns high speed parallel	*Call	*Call	*Call
276875CJ	24C512	SOIC-8	64k x 8	2-wire serial CMOS	2.65	2.51	2.29
276832CJ	24C512	DIP-8	64k x 8	2-wire serial CMOS ~~$2.59~~	2.29	2.23	1.99
276921CJ	24C1024	SOIC-8	128k x 8	2-wire serial CMOS	7.59	5.79	5.29
276912CJ	24C1024	DIP-8	128k x 8	2-wire serial CMOS	6.79	5.19	4.69
276947CJ	28C010	PLCC-32	128k x 8	Paged parallel CMOS ~~$23.59~~	18.69	15.89	11.92
242253CJ	28C010-15	DIP-32	128k x 8	150ns, 5V CMOS	33.09	28.13	21.09
395372CJ	AT28LV010-20TC	TSSOP-32	128k x 8	200ns 3V low volt paged parallel	37.29	34.69	34.34

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

Flash Memory NEW

PLCC DIP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
376016CJ*	AT29C256-70JC	PLCC-32	32k x 8	70ns (5V)	*Call	*Call	*Call
376024CJ*	AT29C256-70JI	PLCC-32	32k x 8	70ns (5V), I-temp.	*Call	*Call	*Call
376032CJ*	AT29C257-70JC	PLCC-32	32k x 8	70ns (5V) CMOS alt. pinout	*Call	*Call	*Call
376041CJ*	AT29C257-70JI	PLCC-32	32k x 8	70ns (5V) CMOS, I-tmp. alt. pinout	*Call	*Call	*Call
375929CJ*	AT29LV256-15JC	PLCC-32	32k x 8	150ns (3V)	*Call	*Call	*Call
376059CJ	AT29C512-70JC	PLCC-32	64k x 8	70ns (5V)	1.75	1.52	1.50
376067CJ*	AT29C512-70JI	PLCC-32	64k x 8	70ns (5V), I-temp.	*Call	*Call	*Call
242552CJ	29C512-12	DIP-32	64k x 8	120ns (5V) CMOS	4.59	3.69	3.52
242561CJ	29F512-90	DIP-32	64k x 8	90ns (5V) CMOS	4.69	3.89	3.59
375937CJ*	AT29LV512-15JC	PLCC-32	64k x 8	150ns (3V)	*Call	*Call	*Call
375785CJ	AT49BV512-12JC	PLCC-32	64k x 8	120ns, single 2.7V	4.41	4.37	4.33
376219CJ*	AT49F512-70JC	PLCC-32	64k x 8	70ns (5V), 8k bytes boot block w/ lockout	*Call	*Call	*Call
376091CJ*	AT29C1024-70JC	PLCC-44	64k x 16	70ns (5V)	*Call	*Call	*Call
376104CJ*	AT29C1024-70JI	PLCC-44	64k x 16	70ns (5V), I-temp.	*Call	*Call	*Call
375961CJ*	AT29LV1024-15JC	PLCC-44	64k x 16	150ns (3V)	*Call	*Call	*Call
74771CJ	28F010-15	DIP-32	128k x 8	150ns (12V) CMOS	6.95	6.25	5.65
375072CJ*	AT29BV010A-12JC	PLCC-32	128K x 8	120ns, single 2.7V	*Call	*Call	*Call
376075CJ	AT29C010A-70JC	PLCC-32	128k x 8	70ns (5V)	2.35	2.123	2.102
376083CJ*	AT29C010A-70JI	PLCC-32	128k x 8	70ns (5V), I-temp.	*Call	*Call	*Call
242587CJ	29F010-120	DIP-32	128k x 8	120ns (5V) CMOS	3.95	3.65	3.15
242595CJ	29F010-90	DIP-32	128k x 8	90ns (5V) CMOS	4.39	4.09	3.79
242608CJ	29F010-70	DIP-32	128k x 8	70ns (5V) CMOS	6.09	4.99	4.49
375945CJ*	AT29LV010A-12JC	PLCC-32	128k x 8	120ns (3V)	*Call	*Call	*Call
375953CJ*	AT29LV010A-15JC	PLCC-32	128k x 8	150ns (3V)	*Call	*Call	*Call
375793CJ*	AT49BV001A-55JI	PLCC-32	128k x 8	55ns single 2.7V, I-temp., 16k boot	*Call	*Call	*Call
375806CJ*	AT49BV001AT-55JI	PLCC-32	128k x 8	55ns single 2.7V, I-temp., top boot	*Call	*Call	*Call
376227CJ*	AT49F001-55JI	PLCC-32	128k x 8	55ns(5V), I-temp., 16k boot w/ reset	*Call	*Call	*Call
376235CJ*	AT49F001A-45JI	PLCC-32	128k x 8	45ns(5V), I-temp., 16k boot w/ reset	*Call	*Call	*Call
376243CJ*	AT49F001A-55JI	PLCC-32	128k x 8	55ns(5V), I-temp., 16k boot w/ reset	*Call	*Call	*Call
376251CJ*	AT49F001AN-45JI	PLCC-32	128k x 8	45ns(5V), I-temp., 16k boot	*Call	*Call	*Call
376260CJ*	AT49F001AN-55JI	PLCC-32	128K x 8	55ns(5V), I-temp., 16k boot	*Call	*Call	*Call
376278CJ*	AT49F001ANT-45JI	PLCC-32	128k x 8	45ns(5V), I-temp., 16k top boot	*Call	*Call	*Call
376286CJ*	AT49F001ANT-55JI	PLCC-32	128k x 8	55ns(5V), I-temp., 16k top boot	*Call	*Call	*Call
376294CJ*	AT49F001AT-45JI	PLCC-32	128k x 8	45ns(5V), I-temp., 16k top boot w/ reset	*Call	*Call	*Call
376307CJ*	AT49F001AT-55JI	PLCC-32	128k x 8	55ns(5V), I-temp., 16k top boot w/ reset	*Call	*Call	*Call
376315CJ*	AT49F001NT-55JC	PLCC-32	128k x 8	55ns(5V), 16k boot block w/ lockout	*Call	*Call	*Call
376008CJ*	AT49LV001-90JC	PLCC-32	128k x 8	90ns sngl 2.7V, 16k boot block w/ lockout	*Call	*Call	*Call

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

NEW

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Flash Memory

PLCC DIP TSSOP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
74835CJ	28F020-15	DIP-32	256k x 8	150ns (12V) CMOS	$7.95	$7.15	$6.45
376121CJ	AT29C020-90JI	PLCC-32	256k x 8	90ns (5V), I-temp.	3.39	2.62	2.42
376139CJ*	AT29C020-12JC	PLCC-32	256k x 8	120ns (5V)	*Call	*Call	*Call
242616CJ	29F020-12	DIP-32	256k x 8	120ns (5V) CMOS	6.89	6.54	6.22
242624CJ	29F020-90	DIP-32	256k x 8	90ns (5V) CMOS	5.09	4.62	4.20
375751CJ*	AT29BV020-12JC	PLCC-32	256k x 8	120ns single 2.7V	*Call	*Call	*Call
375970CJ*	AT29LV020-10JC	PLCC-32	256k x 8	100ns (3V)	*Call	*Call	*Call
375988CJ*	AT29LV020-20JC	PLCC-32	256k x 8	200ns (3V)	*Call	*Call	*Call
375890CJ*	AT49BV002-90JC	PLCC-32	256k x 8	90ns sngl 2.7V, 16k byte boot block w/ reset	*Call	*Call	*Call
375814CJ	AT49BV002A-70JI	PLCC-32	256k x 8	70ns, 2.7V, I-temp. w/ reset	1.79	1.58	1.51
375822CJ*	AT49BV002A-70PI	DIP-32	256k x 8	70ns, 2.7V, I-temp.	*Call	*Call	*Call
375831CJ*	AT49BV002AN-70JI	PLCC-32	256k x 8	70ns, 2.7V, I-temp.	*Call	*Call	*Call
375857CJ*	AT49BV002ANT-70JI	PLCC-32	256k x 8	70ns, 2.7V, I-temp.	*Call	*Call	*Call
375873CJ*	AT49BV002AT-70JI	PLCC-32	256k x 8	70ns, 2.7V, I-temp. w/ reset, top boot	*Call	*Call	*Call
375881CJ*	AT49BV002AT-70PI	DIP-32	256k x 8	70ns, 2.7V, I-temp., top boot	*Call	*Call	*Call
375902CJ*	AT49BV002N-90JC	PLCC-32	256k x 8	90ns single 2.7V, 16k byte boot block	*Call	*Call	*Call
376323CJ*	AT49F002A-55JI	PLCC-32	256k x 8	55ns (5V), I-temp.	*Call	*Call	*Call
376331CJ*	AT49F002A-55PI	DIP-32	256k x 8	55ns (5V), I-temp.	*Call	*Call	*Call
376340CJ*	AT49F002AN-55JI	PLCC-32	256k x 8	55ns (5V), I-tmp. 16k boot block w/ lockout	*Call	*Call	*Call
376358CJ*	AT49F002AN-55PI	DIP-32	256k x 8	55ns (5V), I-tmp. 16k boot block w/ lockout	*Call	*Call	*Call
376366CJ*	AT49F002ANT-55JI	PLCC-32	256k x 8	55ns (5V), I-temp.	*Call	*Call	*Call
376374CJ*	AT49F002ANT-55PI	DIP-32	256k x 8	55ns (5V), I-temp.	*Call	*Call	*Call
376382CJ*	AT49F002AT-55JI	PLCC-32	256k x 8	55ns (5V), I-temp. w/ reset	*Call	*Call	*Call
376391CJ*	AT49F002AT-55PI	DIP-32	256k x 8	55ns (5V), I-temp. w/ reset	*Call	*Call	*Call
376155CJ*	AT29C040A-90JC	PLCC-32	512k x 8	90ns (5V), 256-byte sector	*Call	*Call	*Call
376163CJ	AT29C040A-90JI	PLCC-32	512k x 8	90ns (5V), 256-byte sector, I-temp.	4.39	4.01	3.97
376171CJ*	AT29C040A-12JC	PLCC-32	512k x 8	120ns (5V), 256-byte sector	*Call	*Call	*Call
376180CJ*	AT29C040A-12JI	PLCC-32	512k x 8	120ns (5V), 256-byte sector, I-temp.	*Call	*Call	*Call
376198CJ*	AT29C040A-15JC	PLCC-32	512k x 8	150ns (5V), 256-byte sector	*Call	*Call	*Call
376201CJ*	AT29C040A-15JI	PLCC-32	512k x 8	150ns (5V), 256-byte sector, I-temp.	*Call	*Call	*Call
242659CJ	29F040-120	DIP-32	512k x 8	120ns (5V) CMOS	8.95	8.65	8.25
242667CJ	29F040-90	DIP-32	512k x 8	90ns (5V) CMOS	12.05	11.45	10.85
375996CJ*	AT29LV040A-15JC	PLCC-32	512k x 8	150ns (3V), 256-byte sector	*Call	*Call	*Call
375911CJ*	AT49BV040A-70JI	PLCC-32	512k x 8	70ns, single 2.7V, I-temp.	*Call	*Call	*Call
277211CJ	29F800-70	TSOP-48	1M x 8	70ns (5V) top boot	5.59	5.34	5.07
277261CJ	29F800-70	TSOP-48	1M x 8	70ns (5V) bottom boot	6.95	6.59	6.29
277270CJ	29F800-120	TSOP-48	1M x 8	120ns (5V) top boot	3.69	3.29	3.09
277288CJ	29F800-120	TSOP-48	1M x 8	120ns (5V) bottom boot	7.35	6.59	5.95
277448CJ	28F128-150	TSOP-56	16M x 8	150ns (5V)	~~$22.69~~	18.79	15.97	11.98

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

ST Flash Memory

SOIC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
321592CJ	M25P05-AVMN6	SOIC-8	64k x 8	3V w/ 40MHz SPI bus interf.	$1.49	$1.40	$1.06
321605CJ	M25P10-AVMN6	SOIC-8	128k x 8	3V w/ 40MHz SPI bus interf.	1.69	1.42	1.24
321648CJ	M25P20-VMN6	SOIC-8	256k x 8	3V w/ 40MHz SPI bus interf.	1.95	1.64	1.49
321664CJ	M25P40-VMN6	SOIC-8	512k x 8	3V w/ 40MHz SPI bus interf.	3.05	2.88	2.74
321672CJ	M25P80-VMN6	SOIC-8	1M x 8	3V w/ 40MHz SPI bus interf.	3.35	2.98	2.83

DRAM

DIP SOJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41339CJ	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	$.99	$.89	$.80
41662CJ	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)	.59	.53	.48
41574CJ	41464-10♣	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.65	1.59
41398CJ	41256-120	DIP-16	256k x 1	120ns (MB81256-12)	.73	.65	.59
42315CJ	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)	2.49	2.25	2.05
93374CJ	514256P-70	DIP-20	256k x 4	70ns (TC514256P-70)	2.79	2.49	2.19
128688CJ	HM514260	SOJ	256k x 16	70ns	3.39	2.88	2.16
42219CJ	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	2.25	1.99	1.79

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Need More DRAM? See page 202 for additional DRAM modules.

Static RAM

NEW

TSSOP DIP SOP/SOJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
38931CJ	2111-1	DIP-18	256 x 4	500ns (AM9111APC)	$1.69	$1.55	$1.35
42198CJ	5101♣	DIP-22	256 x 4	450ns (CMOS)	7.99	7.19	6.49
392471CJ*	CY7C4201V-15AC	TQFP-32	256 x 9	15ns high spd, low-pwr FIFO synch.	*Call	*Call	*Call
392374CJ*	CY7C4211-15AC	TQFP-32	512 x 9	15ns high spd, low-pwr FIFO	*Call	*Call	*Call
38957CJ	2114N	DIP-18	1k x 4	450ns (9114BPC)	2.29	1.99	1.79
43238CJ	6514	DIP-18	1k x 4	350ns CMOS (M58981P)	3.95	3.65	3.35
38973CJ	2114N-2	DIP-18	1k x 4	200ns (9114EPC) (U214D20)	2.49	2.09	1.89
38981CJ	2114N-2L	DIP-18	1k x 4	200ns low power	2.49	2.25	2.05
243475CJ	MBM104174A-10	DIP-24	1k x 4	10ns ECL asynchronous	~~$1.59~~ .85	.78	.71
392243CJ	CY7C131-55JC	PLCC-52	1k x 8	55ns high spd, dual port CMOS	5.75	4.64	3.96
392032CJ*	CY7C425-10JC	PLCC-32	1k x 9	10ns asynchronous FIFO	*Call	*Call	*Call
392462CJ	CY7C4225V-15ASC	STQFP-64	1k x 18	15ns high spd, low-pwr FIFO synch.	17.79	17.59	17.42
38746CJ	2016-20	DIP-24	2k x 8	200ns (MB8128-20)	~~$1.39~~ .80	.73	.66
114260CJ	DS1220Y-150	DIP-24	2k x 8	150ns 4.25V WP	11.95	10.95	9.85
25911CJ	MK48Z02B-15	DIP-24	2k x 8	150ns (16kB) zero-power RAM	6.89	6.39	6.06
42809CJ	6116P-3♣	DIP-24	2k x 8	150ns (16kB) CMOS	1.49	1.29	1.09
42753CJ	6116LP-3♣	DIP-24	2k x 8	150ns (16kB) LP CMOS	1.95	1.75	1.59
38738CJ	2016-12	DIP-24	2k x 8	120ns (AM9128-12)	1.49	1.29	1.19
42796CJ	6116P-2♣	DIP-24	2k x 8	120ns (16kB) CMOS	1.59	1.39	1.29
42788CJ	6116P-1	DIP-24	2k x 8	100ns (16kB) CMOS	1.69	1.49	1.39
42737CJ	6116LP-1	DIP-24	2k x 8	100ns (16kB) LP CMOS	1.99	1.79	1.65
242675CJ	6116-70	DIP-24	2k x 8	70ns (5V) CMOS async.	2.09	1.99	1.89
242712CJ	CY7C128A-15	DIP-24	2k x 8	15ns (5V) CMOS async.	5.19	4.19	3.19
242704CJ	CY7C128A-25	DIP-24	2k x 8	25ns (5V) CMOS async.	4.69	2.64	1.98
242691CJ	CY7C128A-35	DIP-24	2k x 8	35ns (5V) CMOS async.	4.49	3.64	2.87
242683CJ	CY7C128A-45	DIP-24	2k x 8	45ns (5V) CMOS async.	8.85	7.42	6.31
392403CJ*	CY7C4231V-15JC	PLCC-32	2k x 9	15ns high spd, low-pwr FIFO synch.	*Call	*Call	*Call
392446CJ	CY7C4235V-15ASC	STQFP-64	2k x 18	15ns high spd, low volt FIFO synch.	16.59	16.24	16.08
392518CJ*	CY7C433-10JC	PLCC-32	4k x 9	10ns asynchronous FIFO	*Call	*Call	*Call
392497CJ*	CY7C024AV-25AC	TQFP-100	4k x 16	25ns 3.3V dual port asynch.	*Call	*Call	*Call
392500CJ*	CY7C4245V-15ASC	STQFP-64	4k x 18	15ns high spd, low volt FIFO synch.	*Call	*Call	*Call
392315CJ*	CY7C09449PV-AC	TQFP-160	4k x 32	Dual port SRAM w/ PCI bus contrller	*Call	*Call	*Call
242721CJ	6264-55	DIP-28	8k x 8	55ns (5V) CMOS async.	3.29	2.59	2.09
392294CJ	CY6264-70SNC	SOIC-28	8k x 8	70ns high performance CMOS	3.09	2.51	1.98
85121CJ	6264LP-70	DIP-28	8k x 8	70ns (64kB) LP CMOS	3.39	3.05	2.75
42884CJ	6264LP-10♣	DIP-28	8k x 8	100ns (64kB) LP CMOS	2.75	2.49	2.25
42921CJ	6264P-10♣	DIP-28	8k x 8	100ns (64kB) CMOS	2.59	2.29	1.99
42892CJ	6264LP-12♣	DIP-28	8k x 8	120ns (64kB) LP CMOS	2.79	2.49	2.19
42930CJ	6264P-12♣	DIP-28	8k x 8	120ns (64kB) CMOS	2.65	2.39	2.15
114278CJ	DS1225AB-150	DIP-28	8k x 8	150ns, 4.62V WP	17.29	14.49	9.89
114307CJ	DS1225Y-200	DIP-28	8k x 8	200ns, 4.25V WP	15.95	14.49	11.65
242350CJ	7C185-20	DIP-28	8k x 8	20ns 5V asynchronous	2.89	2.29	1.79
242341CJ	CY7C185-25	DIP-28	8k x 8	25ns (5V) CMOS async.	2.89	2.29	1.79
242333CJ	CY7C185-35	DIP-28	8k x 8	35ns (5V) CMOS async.	2.89	2.29	1.79
392219CJ*	CY7C460A-10JC	PLCC-32	8k x 9	10ns asynchronous, cascadable FIFO	*Call	*Call	*Call
391785CJ*	CY7C4251V-15AC	TQFP-32	8k x 9	15ns high spd, 3.3V low-pwr FIFO synch.	*Call	*Call	*Call
392438CJ*	CY7C4251-15AC	TQFP-32	8k x 9	15ns high spd, low-pwr FIFO synch.	*Call	*Call	*Call
392526CJ*	CY7C025AV-20AC	TQFP-100	8k x 16	20ns 3.3V dual port asynch.	*Call	*Call	*Call
242499CJ	DS1230Y-70	DIP-28	32k x 8	70ns nonvol. 4.5V WP	22.85	19.95	14.27
177113CJ	DS1230Y-100	DIP-28	32k x 8	100ns, 4.37V WP	17.75	13.75	12.85
114323CJ	DS1230Y-150	DIP-28	32k x 8	150ns, 4.37V WP	19.95	18.95	15.15
41970CJ	43256-10L♣	DIP-28	32k x 8	100ns low-power NEC	5.49	4.99	4.49
41988CJ	43256-12L♣	DIP-28	32k x 8	120ns low-power NEC	4.99	4.49	4.09
242376CJ	M5M5258P-35	DIP-28	32k x 8	35ns 5V asynchronous	1.99	1.59	1.19
75037CJ	UM61M256K-15	DIP-28	32k x 8	15ns hi speed CMOS (.3"W)	3.39	2.99	2.69
279865CJ	62256S-12	SOJ-28	32k x 8	120ns	1.85	1.49	1.12
279857CJ	62256S-15	SOJ-28	32k x 8	150ns	1.49	1.24	1.00
82472CJ	62256LP-70	DIP-28	32k x 8	70ns low-power CMOS	5.49	4.99	4.49
391793CJ*	CY62256L-70PC	DIP-28	32k x 8	70ns 5V CMOS	*Call	*Call	*Call
391814CJ	CY62256L-70SNC	SOIC-28	32k x 8	70ns 5V CMOS	3.19	2.60	2.05
391822CJ	CY62256LL-70PC	DIP-28	32k x 8	70ns 5V low-power CMOS	3.55	2.86	2.25
391890CJ	CY62256LL-70SNC	SOIC-28	32k x 8	70ns 5V low-power CMOS	3.55	2.86	2.25
392008CJ	CY62256VLL-70SNC	SOIC-28	32k x 8	70ns 3V low-power CMOS	2.39	1.94	1.52
391945CJ	CY62256LL-70ZC	TSSOP-28	32k x 8	70ns 5V low-power CMOS	3.55	2.86	2.25
391865CJ	CY62256VLL-70ZC	TSSOP-28	32k x 8	70ns 3V low-power CMOS	2.39	1.94	1.52
279814CJ	62256S-70	SOJ-28	32k x 8	70ns 5V CMOS	1.59	1.48	1.36
42876CJ	62256LP-85	DIP-28	32k x 8	85ns low-power CMOS	3.09	2.49	1.99
42833CJ	62256LP-10♣	DIP-28	32k x 8	100ns low-power CMOS	4.19	3.55	2.65
42850CJ	62256LP-12♣	DIP-28	32k x 8	120ns low-power CMOS	3.89	3.49	3.19

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details.

♣ Pull = Extra Savings

Color Code Legend: New Sale Lower$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Static RAM (Continued) NEW DIP SOP/SOJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
391857CJ*	CY7C1399B-12VC	SOJ-28	32k x 8	12ns 3.3V high perf. CMOS	*Call	*Call	*Call
392016CJ*	CY7C1399B-12ZC	TSSOP-28	32k x 8	12ns 3.3V high perf. CMOS	*Call	*Call	*Call
391849CJ*	CY7C1399B-15VC	SOJ-28	32k x 8	15ns 3.3V high perf. CMOS	*Call	*Call	*Call
392180CJ*	CY7C1399B-15ZC	TSSOP-28	32k x 8	15ns 3.3V high perf. CMOS	*Call	*Call	*Call
279849CJ	CY7C199-20V	SOJ-28	32k x 8	20ns	1.75	1.39	1.05
279831CJ	CY7C199-25V	SOJ-28	32k x 8	25ns	1.65	1.39	1.05
279822CJ	CY7C199-35V	SOJ-28	32k x 8	35ns	1.59	1.29	1.09
392382CJ*	CY7C464A-15JC	PLCC-32	32k x 9	15ns asynch. cascadable FIFO	*Call	*Call	*Call
392278CJ*	CY7C1020CV33-15ZC	TSSOP-44	32k x 16	15ns 3.3V high perf. CMOS	*Call	*Call	*Call
392067CJ*	CY7C1021CV33-10ZC	TSSOP-44	64k x 16	10ns 3.3V high perf. CMOS	*Call	*Call	*Call
391873CJ*	CY7C1021CV33-12VC	SOJ-44	64k x 16	12ns 3.3V high perf. CMOS	*Call	*Call	*Call
391929CJ	CY7C1021BV33L-15ZC	TSSOP-44	64k x 16	15ns 3.3V CMOS, low standby power	3.29	2.66	2.09
391970CJ	CY7C1021B-15ZC	TSSOP-44	64k x 16	15ns 5V high perf. CMOS	2.99	2.42	1.90
392411CJ*	CY7C1021CV33-15ZC	TSSOP-44	64k x 16	15ns 3.3V high perf. CMOS	*Call	*Call	*Call
391831CJ*	CY62128BLL-70SC	SOIC-32	128k x 8	70ns LP CMOS	*Call	*Call	*Call
391996CJ	CY62128BLL-70ZC	TSSOP-32	128k x 8	70ns high perf. CMOS	3.39	2.74	2.15
279873CJ	628128S-70	SOP-32	128k x 8	70ns	2.49	2.19	1.89
131810CJ	628128LP-70	DIP-32	128k x 8	70ns LP CMOS	8.99	7.39	6.69
392155CJ*	CY62128DV30LL-70SI	SOIC-32	128k x 8	70ns high perf. CMOS, I-temp.	*Call	*Call	*Call
392059CJ*	CY62128DV30LL-70ZI	TSSOP-32	128k x 8	70ns LP CMOS, I-temp.	*Call	*Call	*Call
103982CJ	628128LP-85♣	DIP-32	128k x 8	85ns LP CMOS	8.49	7.49	6.79
279911CJ	CY7C109B-12V	SOJ-32	128k x 8	12ns	2.99	2.55	1.99
391902CJ*	CY7C1019CV33-12VC	SOJ-32	128k x 8	12ns 3.3V high perf. CMOS	*Call	*Call	*Call
392251CJ*	CY7C1009B-15VC	SOJ-32	128k x 8	15ns CMOS, 2 chip enables	*Call	*Call	*Call
392104CJ*	CY7C1019B-15VC	SOJ-32	128k x 8	15ns high perf. CMOS	*Call	*Call	*Call
392024CJ*	CY7C1347F-133AC	TQFP-100	128k x 8	133MHz 3.3V synchronous	*Call	*Call	*Call
392454CJ*	CY7C009V-15AC	TQFP-100	128k x 18	15ns 3.3V dual port asynch.	*Call	*Call	*Call
392323CJ*	CY7C1351F-100AC	TQFP-100	128k x 36	100MHx 3.3V flowthru SRAM w/ NoBL arch.	*Call	*Call	*Call
391953CJ*	CY7C419-10JC	PLCC-32	256 x 9	10ns LP asynchronous FIFO	*Call	*Call	*Call
280014CJ	625616S-70	SOP-44	256k x 16	70ns	7.39	6.89	6.35
392358CJ*	CY7C1041CV33-12ZC	TSSOP-44	256k x 16	12ns 3.3V high perf. CMOS	*Call	*Call	*Call
280031CJ	CY7C1041B-15V	SOJ-44	256k x 16	15ns	8.09	7.09	6.99
392198CJ	CY7C1041B-15ZC	TSSOP-44	256k x 16	15ns high perf. CMOS	5.19	4.73	4.49
392139CJ*	CY7C1041CV33-15ZC	TSSOP-44	256k x 16	15ns 3.3V high perf. CMOS	*Call	*Call	*Call
392227CJ*	CY7C1041CV33-15VC	SOJ-44	256k x 16	15ns 3.3V high perf. CMOS	*Call	*Call	*Call
392163CJ*	CY7C1041CV33-20ZC	TSSOP-44	256k x 16	20ns 3.3V high perf. CMOS	*Call	*Call	*Call
392340CJ*	CY7C1352F-133AC	TQFP-100	256k x 18	133Mhz 3.3V synch. pipelined SRAM	*Call	*Call	*Call
392489CJ*	CY7C1355B-117AC	TQFP-100	256k x 36	117MHz 3.3V flowthru SRAM w/ NoBL arch.	*Call	*Call	*Call
392307CJ*	CY62148BLL-70SC	SOIC-32	512k x 8	70ns LP high perf. CMOS	*Call	*Call	*Call
157358CJ	628512LP-70	DIP-32	512k x 8	70ns LP CMOS	18.99	16.99	16.19
280049CJ	628512S-70	SOP-32	512k x 8	70ns	3.45	3.25	3.05
391806CJ*	CY7C1049CV33-15VC	SOJ-36	512k x 8	15ns high perf. CMOS	*Call	*Call	*Call
392391CJ*	CY7C1049CV33-20VC	SOJ-36	512k x 8	20ns 3.3V high perf. CMOS	*Call	*Call	*Call
280065CJ	CY7C1049B-20V	SOJ-36	512k x 8	20ns	9.99	8.89	7.79
391961CJ*	CY62148BLL-70ZI	TSSOP-32	512k x 8	70ns LP high perf. CMOS	*Call	*Call	*Call
392534CJ*	CY7C1386C-167AC	TQFP-100	512k x 36	167MHz 3.3V pipelined DCD synch.	*Call	*Call	*Call
392091CJ*	CY7C1383C-100AC	TQFP-100	1024k x 18	100MHz 3.3V synchronous flowthru	*Call	*Call	*Call

* Note: Potential market conditions may change the minimum order quantity for this product. Please call 1-800-831-4242 for details. ♣ Pull = Extra Savings

PALs and GALs DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
27748CJ	N82S100	DIP-28	16 x 48 x 8 field-prog. logic array, 3-st.	$14.95	$13.49	$12.15
28020CJ	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	2.25	1.75	1.66
88399CJ	16V8-10*	DIP-20	10ns 64 x 32 AND array	2.59	2.35	2.10
37452CJ	16V8-15*	DIP-20	15ns 64 x 32 AND array	1.39	1.25	1.12
37461CJ	16V8-25*	DIP-20	25ns 64 x 32 AND array	1.25	1.09	.99
88292CJ	20V8-10**	DIP-24	10ns 64 x 40 AND array	1.85	1.60	1.43
38658CJ	20V8-15**	DIP-24	15ns 64 x 40 AND array	1.55	1.25	1.15
38666CJ	20V8-25**	DIP-24	25ns 64 x 40 AND array	1.69	1.49	1.39
235352CJ	20VP8-25LJ	PLCC-28	25ns 64 x 40 AND array	3.79	2.89	2.39
123801CJ	22V10-10	DIP-24	10ns 132 x 44 AND array	5.49	4.99	4.49
39159CJ	22V10-15	DIP-24	15ns 132 x 44 AND array	4.49	3.95	3.55
39167CJ	22V10-25	DIP-24	25ns 132 x 44 AND array	3.99	3.49	3.09

GALs are electrically erasable PLDs that can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6,16RP8

** Replaces PALs: 14H8, 14L8, 14P8, 16H6, 16L6, 16P6, 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

Anachip PEEL™ PLDs DIP PLCC SOIC TSSOP

Programmable Electrically Erasable Logic (PEEL*) devices from Anachip are drop-in replacements for Cypress, Atmel, Altera, Lattice and National PLDs, PALs and GALs*. PEELs offer the convenience of simple and complex logic reprogrammability.

† I = Industrial Temp range: -40˚C to +85˚C; C = Commercial Temp. range: 0 to +70˚C

Part No.	Product No.*	Pkg.	Speed	Icc	Inputs	I/O	Vcc	Temp.†	1	10	100
312987CJ	16CV8J-25	PLCC-20	25ns	12mA	10	8	5	C	$1.19	$1.07	$.99
312995CJ	16CV8P-25	DIP-20	25ns	12mA	10	8	5	C	1.19	.82	.74
313007CJ	16CV8S-25	SOIC-20	25ns	12mA	10	8	5	C	1.59	1.08	.97
314675CJ	18CV8J-10	PLCC-20	10ns	10mA	10	8	5	C	2.75	1.85	1.65
313761CJ	18CV8J-15	PLCC-20	15ns	10mA	10	8	5	C	1.99	1.69	1.49
313058CJ	18CV8J-25	PLCC-20	25ns	10mA	10	8	5	C	1.89	1.39	1.25
313795CJ	18CV8JI-15	PLCC-20	15ns	10mA	10	8	5	I	2.99	1.99	1.82
313066CJ	18CV8JI-25	PLCC-20	25ns	10mA	10	8	5	I	2.49	1.69	1.55
314801CJ	18CV8P-7	DIP-20	7ns	42mA	10	8	5	C	3.05	2.05	1.85
314721CJ	18CV8P-10	DIP-20	10ns	42mA	10	8	5	C	2.69	1.79	1.65
314739CJ	18CV8PI-10	DIP-20	10ns	42mA	10	8	5	I	3.19	2.15	1.95
314659CJ	18CV8P-15L✚	DIP-20	15ns	25mA	10	8	5	C	1.85	1.59	1.45
105953CJ	18CV8P-25	DIP-20	25ns	25mA	10	8	5	C	2.25	1.99	1.79
313074CJ	18CV8PI-25L✚	DIP-20	25ns	10mA	10	8	5	I	1.89	1.59	1.40
314747CJ	18CV8S-10	SOIC-20	10ns	42mA	10	8	5	C	2.55	1.71	1.69
314077CJ	18CV8S-15L✚	SOIC-20	15ns	25mA	10	8	5	C	2.55	1.69	1.55
313242CJ	18CV8S-25	SOIC-20	25ns	10mA	10	8	5	C	2.15	1.45	1.29
313251CJ	18CV8SI-25	SOIC-20	25ns	10mA	10	8	5	I	2.59	1.69	1.55
313349CJ	18CV8T-25L✚	TSSOP-20	25ns	10mA	10	8	5	C	2.45	1.65	1.49
313365CJ	18CV8ZJ-25	PLCC-20	25ns	10uA	10	8	5	C	3.79	2.55	2.29
313373CJ	18CV8ZJI-25	PLCC-20	25ns	10uA	10	8	5	I	4.59	3.09	2.79
313381CJ	18CV8ZP-25L✚	DIP-20	25ns	10uA	10	8	5	C	3.65	2.45	2.19
313509CJ	18CV8ZPI-25	DIP-20	25ns	10uA	10	8	5	I	4.39	2.95	2.59
313525CJ	18CV8ZS-25	SOIC-20	25ns	10uA	10	8	5	C	3.75	2.49	2.29
313699CJ	18LV8ZJ-25	PLCC-20	25ns	5uA	10	8	3	C	4.19	2.84	2.55
313701CJ	18LV8ZP-25	DIP-20	25ns	5uA	10	8	3	C	3.99	2.69	2.39
313752CJ	18LV8ZT-25	TSSOP-20	25ns	5uA	10	8	3	C	4.35	2.95	2.65
313015CJ	18LV8ZJI-35	PLCC-20	35ns	5uA	10	8	3	I	4.99	3.39	3.05
313023CJ	18LV8ZPI-35	DIP-20	35ns	5uA	10	8	3	I	4.79	3.19	2.89
313031CJ	18LV8ZSI-35	SOIC-20	35ns	5uA	10	8	3	I	4.89	3.29	2.99
313040CJ	18LV8ZTI-35	TSSOP-20	35ns	5uA	10	8	3	I	5.19	3.49	3.15
315336CJ	22CV10AJ-7	PLCC-28	7ns	50mA	12	10	5	C	4.45	3.35	2.55
315184CJ	22CV10AJ-10	PLCC-28	10ns	50mA	12	10	5	C	3.65	2.95	2.25
315109CJ	22CV10AJ-15	PLCC-28	15ns	35mA	12	10	5	C	3.45	2.59	1.99
314860CJ	22CV10AJ-25	PLCC-28	25ns	18mA	12	10	5	C	3.35	2.49	1.89
315361CJ	22CV10AP-7	DIP-24	7ns	50mA	12	10	5	C	4.29	3.19	2.45
315205CJ	22CV10AP-10L✚	DIP-24	10ns	50mA	12	10	5	C	2.85	2.45	2.09
315125CJ	22CV10AP-15L✚	DIP-24	15ns	35mA	12	10	5	C	3.39	2.55	1.95
105996CJ	22CV10AP-25	DIP-24	25ns	5uA	12	10	5	C	2.59	2.35	2.05
314886CJ	22CV10API-25	DIP-24	25ns	18mA	12	10	5	I	2.85	2.45	1.99
314931CJ	22CV10AZJ-25	PLCC-28	25ns	10uA	12	10	5	C	3.75	2.85	2.39
314940CJ	22CV10AZJI-25	PLCC-28	25ns	10uA	12	10	5	I	6.85	5.19	3.95
314958CJ	22CV10AZP-25	DIP-24	25ns	10uA	12	10	5	C	5.35	3.89	3.09
314991CJ	22CV10AZT-25	TSSOP-24	25ns	10uA	12	10	5	C	5.79	4.39	3.35
315002CJ	22CV10AZTI-25	TSSOP-24	25ns	10uA	12	10	5	I	6.95	5.29	4.05
315011CJ	22LV10AZJ-25	PLCC-28	25ns	5uA	12	10	3	C	6.15	4.65	3.55
315029CJ	22LV10AZP-25	DIP-24	25ns	5uA	12	10	3	C	5.89	4.45	3.39
315045CJ	22LV10AZT-25	TSSOP-24	25ns	5uA	12	10	3	C	6.29	4.79	3.65
316857CJ	PA7540P-15	DIP-24	15ns	55mA	2	20	5	C	8.09	6.09	4.69
316902CJ	PA7540J-15	PLCC-28	15ns	55mA	2	20	5	C	8.25	6.19	4.75
317032CJ	PA7536J-15	PLCC-28	15ns	45mA	14	12	5	C	7.29	5.49	4.19
317075CJ	PA7572P-20	DIP-40	20ns	50mA	14	24	5	C	8.99	6.79	5.19
317104CJ	PA7572J-20	PLCC-44	20ns	50mA	14	24	5	C	8.99	6.79	5.19

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AC(T)	DIP	SN74AC(T)XXXN	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	DIP	CD74AC(T)XXXE	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	SOIC	SN74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW
	SOIC	CD74AC(T)XXXM	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AC00	SOIC-14	Quad 2-input NAND gates	263880CJ	SN74AC00D	✳	$.16	$.156
74AC00	DIP-14	Quad 2-input NAND gates	256858CJ	SN74AC00N	.28	.26	.204
74AC02	SOIC-14	Quad 2-input NOR gates	264090CJ	SN74AC02M	.26	.23	.17
74AC02	DIP-14	Quad 2-input NOR gates	256891CJ	CD74AC02E	~~$.29~~ .22	.182	.166
74AC04	SOIC-14	Hex inverters	264111CJ	SN74AC04D	✳	.17	.15
74AC04	DIP-14	Hex inverters	256903CJ	SN74AC04N	.31	.265	.185
74AC08	SOIC-14	Quad 2-input AND gates	264137CJ	SN74AC08D	.26	.23	.18
74AC08	DIP-14	Quad 2-input AND gates	256911CJ	SN74AC08N	~~$.41~~ .28	.268	.196
74AC10	SOIC-14	Triple 3-input NAND gates	264153CJ	SN74AC10D	.26	.23	.175
74AC10	DIP-14	Triple 3-input NAND gates	256920CJ	SN74AC10N	.41	.35	.25
74AC11	SOIC-14	Triple 3-input AND gates	264170CJ	SN74AC11D	.32	.26	.18
74AC11	DIP-14	Triple 3-input AND gates	256938CJ	SN74AC11N	.32	.26	.18
74AC14	SOIC-14	Hex inverters with Schmitt trigger input	264209CJ	SN74AC14D	.20	.17	.15
74AC14	DIP-14	Hex inverters with Schmitt trigger input	261366CJ	SN74AC14N	.23	.21	.20
74AC20	SOIC-14	4-input NAND gate	264233CJ	CD74AC20M	.26	.23	.18
74AC20	DIP-14	4-input NAND gate	261382CJ	CD74AC20N	.39	.32	.22
74AC32	SOIC-14	Quad 2-input OR gates	264268CJ	SN74AC32D	.26	.23	.18
74AC32	DIP-14	Quad 2-input OR gates	261391CJ	SN74AC32N	~~$.41~~ .25	.219	.194
74AC74	SOIC-14	Dual D-type pos. edge-triggered flip-flops	264284CJ	SN74AC74D	.31	.26	.193
74AC74	DIP-14	Dual D-type pos. edge-triggered flip-flops	261403CJ	SN74AC74N	.40	.34	.24
74AC86	SOIC-14	Quad 2-input exclusive OR gates	264305CJ	SN74AC86D	.20	.17	.14
74AC86	DIP-14	Quad 2-input exclusive OR gates	261454CJ	SN74AC86N	.32	.26	.18
74AC109	SOIC-16	Dual JK positive edge triggered flip-flops					
74AC109	DIP-16	Dual JK positive edge triggered flip-flops	261462CJ	CD74AC109E	.47	.40	.29
74AC125	SOIC-16	Quad buffers with 3-state outputs					
74AC125	DIP-14	Quad buffers with 3-state outputs					
74AC138	SOIC-16	1 of 8 decoder/demultiplexer	264364CJ	CD74AC138M	.41	.34	.23
74AC138	DIP-16	1 of 8 decoder/demultiplexer	261471CJ	CD74AC138E	~~$.46~~ .36	.308	.231
74AC139	SOIC-16	Dual 1 of 4 decoder/demultiplexer	264508CJ	CD74AC139M	.56	.43	.32
74AC139	DIP-16	Dual 1 of 4 decoder/demultiplexer	261500CJ	CD74AC139E	.49	.41	.29
74AC151	SOIC-16	Quad buffers with 3-state outputs					
74AC151	DIP-16	Quad buffers with 3-state outputs	261526CJ	CD74AC151E	.46	.35	.26
74AC153	SOIC-16	Dual 4-input multiplexers	264532CJ	CD74AC153M	.42	.36	.26
74AC153	DIP-16	Dual 4-input multiplexers	261534CJ	CD74AC153E	.49	.41	.29
74AC157	SOIC-16	Quad 2-input multiplexers	264559CJ	CD74AC157M	.41	.38	.34
74AC157	DIP-16	Quad 2-input multiplexers	261542CJ	CD74AC157E	.47	.36	.27
74AC161	SOIC-16	Synchronous presettable binary counter	264575CJ	CD74AC161M	~~$.41~~ .24	.229	.185
74AC161	DIP-16	Synchronous presettable binary counter	261551CJ	CD74AC161E	.42	.356	.288
74AC163	SOIC-16	Binary counter	264591CJ	CD74AC163M	.49	.41	.36
74AC163	DIP-16	Binary counter	261585CJ	CD74AC163E	.50	.38	.29
74AC169	SOIC-16	4-stage synchronous bidirectional counter					
74AC169	DIP-16	4-stage synchronous bidirectional counter					
74AC174	SOIC-16	Hex D-type flip-flops w/ master reset	264858CJ	CD74AC174M	.46	.35	.27
74AC174	DIP-16	Hex D-type flip-flops w/ master reset	261593CJ	CD74AC174E	.50	.38	.29
74AC175	SOIC-16	Quad D-type flip-flops	264874CJ	CD74AC175M	.46	.35	.26
74AC175	DIP-16	Quad D-type flip-flops					
74AC191	SOIC-16	Up/down counter w/ preset & ripple clock					
74AC191	DIP-16	Up/down counter w/ preset & ripple clock					
74AC240	SOIC-20	Octal invert. buffer/line drivers w/ 3-state outputs	264971CJ	SN74AC240DW	.45	.36	.28
74AC240	DIP-20	Octal invert. buffer/line drivers w/ 3-state outputs	261614CJ	SN74AC240N	.32	.264	.239
74AC241	SOIC-20	Octal buffer/line drivers w/ 3-state outputs	265543CJ	SN74AC241DW	.45	.36	.28

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264081CJ	74AC02M	.24	.21	.157
211810CJ	74AC02N	.20	.17	.13
264102CJ	74AC04M	✳	.16	.13
211828CJ	74AC04N	.28	.241	.168
264129CJ	74AC08M	.24	.21	.157
211836CJ	74AC08N	.25	.244	.176
264145CJ	74AC10M	.24	.21	.157
238887CJ	74AC10N	.31	.26	.20
264161CJ	74AC11M	.30	.23	.17
238895CJ	74AC11N	.32	.261	.176
264196CJ	74AC14M	✳	.149	.13
211844CJ	74AC14N	.21	.18	.13
264225CJ	74AC20M	.24	.21	.157
238836CJ	74AC20N	.35	.30	.22
264241CJ	74AC32M	.24	.21	.16
211852CJ	74AC32N	.23	.199	.176
264276CJ	74AC74M	.28	.24	.17
211861CJ	74AC74N	.37	.30	.221
264292CJ	74AC86M	✳	.149	.13
211879CJ	74AC86N	.29	.26	.22
264313CJ	74AC109M	.45	.39	.29
238908CJ	74AC109N	.43	.37	.269
264321CJ	74AC125M	.48	.36	.27
238916CJ	74AC125N	.38	.329	.249
264348CJ	74AC138M	.38	.31	.21
211887CJ	74AC138N	~~$.43~~ .33	.28	.21
264495CJ	74AC139M	.51	.39	.29
238730CJ	74AC139N	.44	.329	.249
264516CJ	74AC151M	.39	.32	.24
238748CJ	74AC151N	.42	.32	.24
264524CJ	74AC153M	.39	.32	.24
238756CJ	74AC153N	.44	.37	.27
264541CJ	74AC157M	.38	.32	.24
238764CJ	74AC157N	.43	.32	.24
264567CJ	74AC161M	~~$.31~~ .22	.208	.168
238772CJ	74AC161N	~~$.51~~ .38	.324	.262
264583CJ	74AC163M	.44	.37	.27
238781CJ	74AC163N	.46	.35	.27
265818CJ	74AC169M	.68	.57	.47
238799CJ	74AC169N	.93	.84	.77
264840CJ	74AC174M	.42	.32	.24
238801CJ	74AC174N	.46	.35	.27
264866CJ	74AC175M	.42	.32	.24
238810CJ	74AC175N	.51	.382	.295
264903CJ	74AC191M	1.15	.98	.80
238828CJ	74AC191N	.89	.76	.61
264938CJ	74AC240M	.41	.33	.25
211895CJ	74AC240N	.30	.241	.218
265535CJ	74AC241M	.41	.33	.25

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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74AC244	SOIC-20	Octal buffer/line driv. w/ 3-state outputs	265560CJ	SN74AC244DW	.45	.36	.28
74AC244	DIP-20	Octal buffer/line driv. w/ 3-state outputs	261796CJ	SN74AC244N	.36	.30	.258
74AC245	SOIC-20	Octal bidirectional trans. w/ 3-state I/O	265594CJ	SN74AC245DW	.45	.36	.28
74AC245	DIP-20	Octal bidirectional trans. w/ 3-state I/O	261817CJ	SN74AC245N	.40	.35	.33
74AC251	SOIC-16	8-input multiplexer w/ 3-state output	265615CJ	CD74AC251M	.54	.47	.39
74AC251	DIP-16	8-input multiplexer w/ 3-state output					
74AC253	SOIC-16	Dual 4-input multiplexer w/ 3-state outputs	265640CJ	CD74AC253M	.49	.37	.28
74AC253	DIP-16	Dual 4-input multiplexer w/ 3-state outputs					
74AC257	SOIC-16	Quad 2-input multiplexer	265666CJ	CD74AC257M	.41	.37	.28
74AC257	DIP-16	Quad 2-input multiplexer	261956CJ	CD74AC257E	.41	.38	.36
74AC273	SOIC-20	Octal D-type flip-flop	265682CJ	CD74AC273M	.56	.53	.46
74AC273	DIP-20	Octal D-type flip-flop	261964CJ	CD74AC273E	.44	.38	.37
74AC299	SOIC-20	8-input univ. shift/storage reg. w/com. parallel I/O pins					
74AC299	DIP-20	8-input univ. shift/storage reg. w/com. parallel I/O pins					
74AC373	SOIC-20	Octal transparent latch w/ 3-state outputs	265703CJ	SN74AC373DW	.56	.52	.49
74AC373	DIP-20	Octal transparent latch w/ 3-state outputs	261981CJ	SN74AC373N	.54	.38	.32
74AC374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	265720CJ	SN74AC374DW	.30	.29	.27
74AC374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	262035CJ	SN74AC374N	.65	.59	.53
74AC377	SOIC-20	Octal D-type flip flop w/ clock enable					
74AC377	DIP-20	Octal D-type flip flop w/ clock enable					
74AC399	DIP-16	Quad 2-port register					
74AC521	SOIC-20	8-bit identity comparator					
74AC521	DIP-20	8-bit identity comparator					
74AC540	SOIC-20	Octal buffer/line driver w/ 3-state outputs	265746CJ	CD74AC540M	.83	.74	.60
74AC540	DIP-20	Octal buffer/line driver w/ 3-state outputs					
74AC541	SOIC-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	265762CJ	CD74AC541M	.83	.74	.59
74AC541	DIP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	262051CJ	CD74AC541E	.83	.66	.50
74AC573	SOIC-20	Octal latch w/ 3-state outputs	265789CJ	SN74AC573DW	.45	.36	.28
74AC573	DIP-20	Octal latch w/ 3-state outputs	262086CJ	SN74AC573N	.48	.40	.302
74AC574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	265800CJ	SN74AC574DW	.45	.36	.28
74AC574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	262094CJ	SN74AC574N	.63	.56	.49

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Part No.	Cross Ref.	1	10	100
238844CJ	74AC241N	$.41	$.33	$.25
265551CJ	74AC244M	.41	.33	.25
211908CJ	74AC244N	.33	.28	.21
265586CJ	74AC245M	.41	.33	.25
211916CJ	74AC245N	.33	.28	.21
265607CJ	74AC251M	.49	.43	.35
238852CJ	74AC251N	.44	.329	.249
265623CJ	74AC253M	.44	.34	.25
238861CJ	74AC253N	.42	.32	.24
265658CJ	74AC257M	.38	.32	.25
238879CJ	74AC257N	.38	.35	.33
265674CJ	74AC273M	.51	.48	.45
211924CJ	74AC273N	.40	.34	.26
265826CJ	74AC299M	1.79	1.45	1.09
238924CJ	74AC299N	1.35	1.25	1.05
265691CJ	74AC373M	.51	.48	.45
211932CJ	74AC373N	.40	.36	.32
265711CJ	74AC374M	.30	.29	.25
211941CJ	74AC374N	.51	.43	.323
265851CJ	74AC377M	.66	.61	.54
242763CJ	74AC377N	.54	.46	.328
238941CJ	74AC399N	1.85	1.69	1.52
265869CJ	74AC521M	~~$.96~~ .69	.62	.56
238959CJ	74AC521N	.71	.54	.408
265738CJ	74AC540M	.75	.67	.55
238967CJ	74AC540N	.54	.46	.34
265754CJ	74AC541M	.75	.67	.55
238975CJ	74AC541N	.59	.50	.38
265771CJ	74AC573M	.41	.33	.25
238983CJ	74AC573N	.44	.37	.28
265797CJ	74AC574M	.41	.33	.25
238991CJ	74AC574N	.57	.48	.36

74ACT Series – ACT family offers TTL inputs with CMOS outputs

DIP SOIC

TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74ACT00	SOIC-14	Quad 2-input NAND gate	265885CJ	SN74ACT00D	$.20	$.19	$.16
74ACT00	DIP-14	Quad 2-input NAND gate	262326CJ	SN74ACT00N	.28	.24	.20
74ACT02	SOIC-14	Quad 2-input NOR gate	265922CJ	CD74ACT02M	.22	.20	.16
74ACT02	DIP-14	Quad 2-input NOR gate	262334CJ	CD74ACT02E	.40	.324	.238
74ACT04	SOIC-14	Hex inverter	265949CJ	SN74ACT04D	.22	.20	.16
74ACT04	DIP-14	Hex inverter	262342CJ	SN74ACT04N	.28	.22	.18
74ACT08	SOIC-14	Quad 2-input AND gate	266141CJ	SN74ACT08D	.20	.178	.15
74ACT08	DIP-14	Quad 2-input AND gate	262351CJ	SN74ACT08N	.39	.313	.222
74ACT10	SOIC-14	Triple 3-input NAND gate	266271CJ	SN74ACT10D	.29	.26	.20
74ACT10	DIP-14	Triple 3-input NAND gate	262369CJ	SN74ACT10N	.22	.20	.16
74ACT14	SOIC-14	Hex inverter with Schmitt trigger input	266301CJ	SN74ACT14D	.22	.18	.16
74ACT14	DIP-14	Hex inverter with Schmitt trigger input	262377CJ	SN74ACT14N	.25	.20	.16
74ACT32	SOIC-14	Quad 2-input OR gate	266378CJ	SN74ACT32D	.22	.20	.16
74ACT32	DIP-14	Quad 2-input OR gate	262465CJ	SN74ACT32N	.36	.302	.227
74ACT74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	266431CJ	SN74ACT74D	.30	.26	.19
74ACT74	DIP-14	Dual D-type pos. edge-triggered flip-flop	262473CJ	SN74ACT74N	.28	.24	.20
74ACT86	SOIC-14	Quad 2-input exclusive OR gate	266458CJ	SN74ACT86D	.31	.29	.20
74ACT86	DIP-14	Quad 2-input exclusive OR gate	262481CJ	SN74ACT86N	.22	.20	.16
74ACT125	SOIC-14	Quad buffer with 3-state outputs					
74ACT125	DIP-14	Quad buffer with 3-state outputs					

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✳ Prepackaged: order in increments of 10 or 100

Part No.	Cross Ref.	1	10	100
265877CJ	74ACT00M	✳	$.17	$.14
211959CJ	74ACT00N	.25	.21	.156
265914CJ	74ACT02M	.20	.18	.14
211967CJ	74ACT02N	.37	.30	.22
265957CJ	74ACT04M	.20	.18	.14
211975CJ	74ACT04N	.25	.21	.16
266159CJ	74ACT08M	✳	.17	.13
211983CJ	74ACT08N	.36	.29	.206
266263CJ	74ACT10M	.26	.23	.19
239046CJ	74ACT10N	.20	.17	.13
266298CJ	74ACT14M	.20	.18	.14
211991CJ	74ACT14N	.21	.18	.13
266360CJ	74ACT32M	.20	.18	.14
212003CJ	74ACT32N	.33	.28	.21
266423CJ	74ACT74M	.27	.23	.176
212011CJ	74ACT74N	.25	.21	.16
266440CJ	74ACT86M	.28	.27	.19
212020CJ	74ACT86N	.20	.17	.128
266466CJ	74ACT125M	.86	.73	.59
239003CJ	74ACT125N	.32	.27	.20

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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74ACT Series (Continued) – ACT family offers TTL inputs with CMOS outputs

DIP SOIC

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
				Texas Instruments – Save 6-20%			
74ACT138	SOIC-16	1 of 8 decoder/demultiplexer	266482CJ	CD74ACT138M	$.35	$.32	$.24
74ACT138	DIP-16	1 of 8 decoder/demultiplexer	262490CJ	CD74ACT138E	.35	.30	.21
74ACT139	SOIC-16	Dual 1 of 4 decoder/demultiplexer	266503CJ	CD74ACT139M	.41	.33	.25
74ACT139	DIP-16	Dual 1 of 4 decoder/demultiplexer	262502CJ	CD74ACT139E	.41	.33	.23
74ACT151	SOIC-16	8-input multiplexer					
74ACT151	DIP-16	8-input multiplexer					
74ACT157	SOIC-16	Quad 2-input multiplexer	266538CJ	CD74ACT157M	.32	.28	.25
74ACT157	DIP-16	Quad 2-input multiplexer	262529CJ	CD74ACT157E	.47	.355	.26
74ACT161	SOIC-16	Synchronous binary counter	266554CJ	CD74ACT161M	.69	.63	.51
74ACT161	DIP-16	Synchronous binary counter	262676CJ	CD74ACT161E	.43	.35	.29
74ACT163	SOIC-16	Synchronous presettable binary counter	266571CJ	CD74ACT163M	.43	.32	.25
74ACT163	DIP-16	Synchronous presettable binary counter	262684CJ	CD74ACT163E	.54	.41	.31
74ACT174	SOIC-16	HEX D-type flip-flop with master reset	266634CJ	CD74ACT174M	.41	.38	.36
74ACT174	DIP-16	HEX D-type flip-flop with master reset	262692CJ	CD74ACT174E	.53	.46	.34
74ACT175	SOIC-16	Quad D-type flip-flop	266685CJ	CD74ACT175M	.60	.54	.43
74ACT175	DIP-16	Quad D-type flip-flop	262799CJ	CD74ACT175E	.60	.54	.43
74ACT240	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266749CJ	CD74ACT240DW	.50	.41	.31
74ACT240	DIP-20	Octal buffer/line driver w/ 3-state outputs	262828CJ	CD74ACT240N	.32	.28	.24
74ACT241	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266773CJ	SN74ACT241DW	.45	.36	.28
74ACT241	DIP-20	Octal buffer/line driver w/ 3-state outputs	263038CJ	SN74ACT241N	.45	.36	.28
74ACT244	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266909CJ	SN74ACT244DW	.35	.30	.26
74ACT244	DIP-20	Octal buffer/line driver w/ 3-state outputs	263046CJ	SN74ACT244N	.50	.377	.286
74ACT245	SOIC-20	Octal bidirectional trans. w/ 3-state I/O	266925CJ	SN74ACT245DW	.44	.36	.28
74ACT245	DIP-20	Octal bidirectional trans. w/ 3-state I/O	263062CJ	SN74ACT245N	.41	.37	.35
74ACT251	SOIC-16	8-input multiplexer					
74ACT251	DIP-16	8-input multiplexer					
74ACT257	SOIC-16	Quad 2-input multiplexer w/ 3-st. L. outputs	266968CJ	CD74ACT257M ~~$.67~~	.31	.259	.21
74ACT257	DIP-16	Quad 2-input multiplexer w/ 3-st. L. outputs	263097CJ	CD74ACT257E	.40	.31	.27
74ACT273	SOIC-20	Octal D-type flip-flop w/ reset	266984CJ	CD74ACT273M	.50	.41	.31
74ACT273	DIP-20	Octal D-type flip-flop w/ reset	263100CJ	CD74ACT273E	.41	.36	.28
74ACT373	SOIC-20	Octal transparent latch w/ 3-state outputs	267004CJ	SN74ACT373DW	.44	.36	.28
74ACT373	DIP-20	Octal transparent latch w/ 3-state outputs	263177CJ	SN74ACT373N	.45	.36	.28
74ACT374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	267021CJ	SN74ACT374DW	.45	.36	.28
74ACT374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	263193CJ	SN74ACT374N	.44	.36	.28
74ACT521	SOIC-20	8-bit identity comparator					
74ACT521	DIP-20	8-bit identity comparator					
74ACT533	SOIC-20	Octal transparent latch w/ 3-state H. outputs	267080CJ	SN74ACT533DW	.49	.37	.28
74ACT533	DIP-20	Octal transparent latch w/ 3-state H. outputs	263425CJ	SN74ACT533N	.57	.52	.39
74ACT541	SOIC-20	Octal buffer/line driver w/ 3-state outputs	267178CJ	CD74ACT541M	.43	.38	.30
74ACT541	DIP-20	Octal buffer/line driver w/ 3-state outputs	263441CJ	CD74ACT541E	.45	.36	.28
74ACT573	SOIC-20	Octal latch with 3-state outputs	267282CJ	SN74ACT573DW	.45	.36	.27
74ACT573	DIP-20	Octal latch with 3-state outputs	263468CJ	SN74ACT573	.63	.59	.55
74ACT574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	267346CJ	SN74ACT574DW	.45	.36	.28
74ACT574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	263476CJ	SN74ACT574N	.63	.55	.45
74ACT715	SOIC-20	Programmable video sync. generator					
74ACT715	DIP-20	Programmable video sync. generator					

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Part No.	Cross Ref.	1	10	100
266474CJ	74ACT138M	$.32	$.29	$.22
212038CJ	74ACT138N	.23	.20	.193
266491CJ	74ACT139M	.37	.30	.23
239011CJ	74ACT139N	.38	.32	.24
266511CJ	74ACT151M	.39	.30	.23
239020CJ	74ACT151N	.44	.329	.249
266520CJ	74ACT157M	.30	.27	.23
239038CJ	74ACT157N	.44	.329	.249
266546CJ	74ACT161M	.63	.57	.48
239071CJ	74ACT161N	.39	.33	.25
266562CJ	74ACT163M	.39	.30	.23
239062CJ	74ACT163N	.49	.42	.31
266600CJ	74ACT174M	.38	.35	.33
239054CJ	74ACT174N	.48	.41	.31
266677CJ	74ACT175M	.55	.49	.40
239089CJ	74ACT175N	.55	.47	.328
266731CJ	74ACT240M	.46	.37	.29
212046CJ	74ACT240N	.30	.26	.218
266765CJ	74ACT241M	.41	.33	.25
239097CJ	74ACT241N	.41	.33	.25
266896CJ	74ACT244M	.32	.27	.24
212054CJ	74ACT244N	.45	.34	.26
266917CJ	74ACT245M	.40	.33	.25
212062CJ	74ACT245N	.38	.33	.25
266933CJ	74ACT251M	.46	.35	.26
239100CJ	74ACT251N	.46	.35	.27
266941CJ	74ACT257M ~~$.38~~	.28	.233	.189
239126CJ	74ACT257N	.36	.31	.23
266976CJ	74ACT273M	.46	.37	.29
212071CJ	74ACT273N	.37	.31	.23
266992CJ	74ACT373M	.40	.33	.25
212089CJ	74ACT373N	.41	.33	.25
267012CJ	74ACT374M	.41	.33	.25
212097CJ	74ACT374N	.40	.33	.25
267055CJ	74ACT521M	.44	.36	.30
235230CJ	74ACT521N	.79	.60	.45
267071CJ	74ACT533M	.44	.34	.26
235248CJ	74ACT533N	.52	.47	.43
267151CJ	74ACT541M	.39	.35	.29
235264CJ	74ACT541N	.41	.33	.25
267274CJ	74ACT573M	.41	.33	.25
235272CJ	74ACT573N	.32	.27	.20
267338CJ	74ACT574M	.41	.33	.25
235281CJ	74ACT574N	.57	.48	.36
267371CJ	74ACT715M	9.25	8.35	7.49
235299CJ	74ACT715N	8.69	8.24	7.49

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

TTL Logic Data Book

Texas Instruments



Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages, 1988)

- Size: 6.0" x 8.5"
- Weight: 2.6 lbs.

Part No.	Description	1	10
88225CJ	TTL Logic Data Book	$34.95	$31.49

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Jameco Part No.	Product No.	Jameco® Price	Digi-Key® Price	Mouser® Price	Newark® Price	Minimum Savings	Minimum Discount
262473CJ	74ACT74N, Texas Instruments	$0.28	$0.48	$0.40	$0.48	$0.12	30.0%
262481CJ	74ACT86N, Texas Instruments	$0.22	$0.39	$0.34	$0.331	$0.111	33.5%
212038CJ	74ACT138, Value Offering	$0.23	$0.52	$0.46	$0.396	$0.166	41.9%
212054CJ	74ACT244, Value Offering	$0.45	$0.72	$0.62	$0.72	$0.17	27.4%
212062CJ	74ACT245, Value Offering	$0.38	$0.72	$0.60	$0.468	$0.088	18.8%
263062CJ	74ACT245N, Texas Instruments	$0.41	$0.72	$0.60	$0.468	$0.058	12.4%
235264CJ	74ACT541, Value Offering	$0.41	$0.72	$0.91	$0.72	$0.31	43.1%

These are single unit prices taken from each party's website on June 2, 2005, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

Color Code Legend: New Sale Lower$ QtySave

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74AHC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba	Samsung
AHC(T)	DIP	SN74AHC(T)XXXN	74AHC(T)XXXN	MM74VHC(T)XXXN	—	—	—	—	KS74AHC(T)XXXN
	SOIC	SN74AHC(T)XXXD/DW	74AHC(T)XXXM	MM74VHC(T)XXXM/WM	MC74VHC(T)XXXD	M74VHC(T)XXXM	74AHC(T)XXXD	TC74VHC(T)XXXFN/FW	—

74AHC Series – AHC family offers CMOS inputs with CMOS outputs

AHC(T) = VHC(T)

DIP  SOIC 

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TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AHC00	SOIC-14	Quad 2-input positive NAND gate	289641CJ	SN74AHC00D	$.32	$.27	$.19
74AHC00	DIP-14	Quad 2-input positive NAND gate	287726CJ	SN74AHC00N	.36	.30	.21
74AHC02	SOIC-14	Quad 2-input positive NOR gate	289668CJ	SN74AHC02D	.32	.31	.22
74AHC02	DIP-14	Quad 2-input positive NOR gate	287742CJ	SN74AHC02N	.36	.30	.21
74AHC04	SOIC-14	Hex inverter	289721CJ	SN74AHC04D	.32	.31	.22
74AHC04	DIP-14	Hex inverter	287751CJ	SN74AHC04N	.36	.30	.21
74AHC08	SOIC-14	Quad 2-input positive AND gate	289764CJ	SN74AHC08D	.40	.32	.22
74AHC08	DIP-14	Quad 2-input positive AND gate	287777CJ	SN74AHC08N	.36	.30	.21
74AHC14	SOIC-14	Hex inverter with Schmitt trigger input	289799CJ	SN74AHC14D	.29	.25	.18
74AHC14	DIP-14	Hex inverter with Schmitt trigger input	288171CJ	SN74AHC14N	.35	.291	.202
74AHC32	SOIC-14	Quad 2-input positive OR gate	289932CJ	SN74AHC32D	.39	.319	.221
74AHC32	DIP-14	Quad 2-input positive OR gate	288198CJ	SN74AHC32N	.41	.33	.23
74AHC74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	289959CJ	SN74AHC74D	.40	.32	.22
74AHC74	DIP-14	Dual D-type pos. edge-triggered flip-flop	288201CJ	SN74AHC74N	.30	.29	.21
74AHC86	SOIC-14	Quad 2-input exclusive OR gate	289983CJ	SN74AHC86D	.22	.173	.156
74AHC86	DIP-14	Quad 2-input exclusive OR gate	288219CJ	SN74AHC86N	.44	.355	.248
74AHC138	SOIC-16	3-line to 8-line decoders/demultiplexers	290036CJ	SN74AHC138D	.42	.373	.304
74AHC138	DIP-16	3-line to 8-line decoders/demultiplexers	288286CJ	SN74AHC138N	.46	.37	.26
74AHC139	SOIC-16	Dual 2-line to 4-line decoders/demultiplexers	290061CJ	SN74AHC139D	.48	.38	.30
74AHC139	DIP-16	Dual 2-line to 4-line decoders/demultiplexers	288294CJ	SN74AHC139N	.49	.41	.32
74AHC157	DIP-16	2 to 1 data selector/multiplexer	288382CJ	SN74AHC157N	.60	.45	.34
74AHC240	SOIC-20	Octal invert. buffer/driver w/ 3-st. outputs	290108CJ	SN74AHC240DW	.50	.38	.29
74AHC240	DIP-20	Octal invert. buffer/driver w/ 3-st. outputs	288315CJ	SN74AHC240N	.29	.256	.248
74AHC244	SOIC-20	Octal buffer/driver w/ 3-st. outputs	290175CJ	SN74AHC244DW	.41	.33	.25
74AHC244	DIP-20	Octal buffer/driver w/ 3-st. outputs	288323CJ	SN74AHC244N	.36	.291	.221
74AHC245	SOIC-20	Octal bus transceiver w/ 3-state outputs	290191CJ	SN74AHC245DW	.43	.33	.25
74AHC245	DIP-20	Octal bus transceiver w/ 3-state outputs	288331CJ	SN74AHC245N	.42	.292	.216
74AHC373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	290212CJ	SN74AHC373DW	.43	.33	.25
74AHC373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	288340CJ	SN74AHC373N	.30	.24	.22
74AHC374	SOIC-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	290247CJ	SN74AHC374DW	.29	.237	.212
74AHC374	DIP-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	288358CJ	SN74AHC374N	.30	.24	.22
74AHC541	SOIC-20	Octal buffer/driver w/ 3-state NOR gate enabled	290271CJ	SN74AHC541DW	.50	.38	.29
74AHC541	DIP-20	Octal buffer/driver w/ 3-state NOR gate enabled	288366CJ	SN74AHC541N	.39	.349	.265
74AHC574	SOIC-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	290298CJ	SN74AHC574DW	.29	.237	.213
74AHC574	DIP-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	288374CJ	SN74AHC574N	.37	.30	.23

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Part No.	Cross Ref.	1	10	100
289650CJ	74AHC00M	$.30	$.253	$.176
214092CJ	74AHC00N	.32	.27	.19
289676CJ	74AHC02M	.30	.291	.202
214105CJ	74AHC02N	.32	.27	.19
289748CJ	74AHC04M	.30	.291	.202
214113CJ	74AHC04N	.32	.27	.19
289772CJ	74AHC08M	.36	.291	.202
214121CJ	74AHC08N	.32	.27	.19
289801CJ	74AHC14M	.26	.224	.159
214130CJ	74AHC14N	.32	.29	.19
289941CJ	74AHC32M	.35	.291	.202
214148CJ	74AHC32N	.36	.29	.20
289967CJ	74AHC74M	.36	.291	.202
214156CJ	74AHC74N	.26	.22	.165
289991CJ	74AHC86M	.20	.158	.143
214164CJ	74AHC86N	.32	.27	.19
290044CJ	74AHC138M	.39	.34	.277
243213CJ	74AHC138N	.45	.38	.28
290079CJ	74AHC139M	.44	.332	.277
243221CJ	74AHC139N	.45	.38	.28
243230CJ	74AHC157N	.53	.40	.31
290116CJ	74AHC240M	.46	.349	.269
214172CJ	74AHC240N	.31	.28	.26
290183CJ	74AHC244M	.37	.299	.227
214181CJ	74AHC244N	.33	.27	.20
290204CJ	74AHC245M	.39	.299	.227
214199CJ	74AHC245N	.39	.299	.227
290239CJ	74AHC373M	.39	.299	.227
214201CJ	74AHC373N	.26	.22	.165
290255CJ	74AHC374M	.26	.216	.193
214210CJ	74AHC374N	.26	.24	.227
290280CJ	74AHC541M	.46	.349	.265
214228CJ	74AHC541N	.33	.27	.20
290319CJ	74AHC574M	.26	.216	.203
214236CJ	74AHC574N	.39	.299	.227

74AHCT Series – AHCT family offers TTL inputs with CMOS outputs

AHC(T) = VHC(T)

DIP  SOIC 

TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AHCT00	SOIC-14	Quad 2-input positive NAND gate	289051CJ	SN74AHCT00D	$.24	$.20	$.16
74AHCT00	DIP-14	Quad 2-input positive NAND gate	288454CJ	SN74AHCT00N	.23	.15	.13
74AHCT02	DIP-14	Quad 2-input positive NOR gate	288489CJ	SN74AHCT02N	.36	.30	.21
74AHCT04	SOIC-14	Hex inverter	289086CJ	SN74AHCT04D	.21	.16	.14
74AHCT04	DIP-14	Hex inverter	288497CJ	SN74AHCT04N	.34	.30	.21
74AHCT08	SOIC-14	Quad 2-input positive AND gate	289140CJ	SN74AHCT08D	.21	.16	.15
74AHCT08	DIP-14	Quad 2-input positive AND gate	288569CJ	SN74AHCT08N	.32	.291	.202
74AHCT14	SOIC-14	Hex inverter with Schmitt trigger input	289166CJ	SN74AHCT14D	✳	.146	.129
74AHCT14	DIP-14	Hex inverter with Schmitt trigger input	288577CJ	SN74AHCT14N	.35	.291	.202
74AHCT74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	289262CJ	SN74AHCT74D	.29	.25	.18
74AHCT74	DIP-14	Dual D-type pos. edge-triggered flip-flop	288649CJ	SN74AHCT74N	.35	.291	.202
74AHCT86	SOIC-14	Quad 2-input exclusive OR gate	289289CJ	SN74AHCT86D	.23	.191	.166
74AHCT86	DIP-14	Quad 2-input exclusive OR gate	288657CJ	SN74AHCT86N	.23	.19	.17

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Part No.	Cross Ref.	1	10	100
289060CJ	74AHCT00M	$.22	$.183	$.143
43844CJ	74AHCT00N✥	.21	.15	.10
43852CJ	74AHCT02N	.32	.27	.20
289094CJ	74AHCT04M	✳	.149	.126
43861CJ	74AHCT04N	.30	.266	.185
289158CJ	74AHCT08M	✳	.149	.134
63431CJ	74AHCT08N	.30	.26	.19
289174CJ	74AHCT14M	✳	.133	.118
63458CJ	74AHCT14N	.32	.27	.19
289254CJ	74AHCT74M	.26	.224	.159
43924CJ	74AHCT74N	.32	.27	.20
289297CJ	74AHCT86M	.21	.174	.151
43932CJ	74AHCT86N	.21	.18	.13

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola. ✥ Refurbished = Backed by Jameco

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74AHCT Series (Continued) – AHCT family offers TTL inputs with CMOS outputs

AHC(T) = VHC(T) DIP SOIC

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TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AHCT138	SOIC-16	3-line to 8-line decoders/demultiplexers	289318CJ	SN74AHCT138D	$.50	$.40	$.30
74AHCT138	DIP-16	3-line to 8-line decoders/demultiplexers	288673CJ	SN74AHCT138N	.40	.33	.25
74AHCT139	SOIC-16	Dual 2-line to 4-line decoders/demultiplexers	289342CJ	SN74AHCT139D	.48	.38	.30
74AHCT139	DIP-16	Dual 2-line to 4-line decoders/demultiplexers	288711CJ	SN74AHCT139N	.29	.28	.20
74AHCT240	SOIC-20	Octal invert. buffer/driver w/ 3-st. outputs	289385CJ	SN74AHCT240DW	.45	.38	.29
74AHCT240	DIP-20	Octal invert. buffer/driver w/ 3-st. outputs	288737CJ	SN74AHCT240N	.29	.259	.248
74AHCT244	SOIC-20	Octal buffer/driver w/ 3-st. outputs	289449CJ	SN74AHCT244DW	.43	.33	.25
74AHCT244	DIP-20	Octal buffer/driver w/ 3-st. outputs	288868CJ	SN74AHCT244N	.29	.24	.21
74AHCT245	SOIC-20	Octal bus transceiver w/ 3-state outputs	289490CJ	SN74AHCT245DW	.43	.33	.25
74AHCT245	DIP-20	Octal bus transceiver w/ 3-state outputs	288884CJ	SN74AHCT245N	.43	.328	.248
74AHCT373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	289502CJ	SN74AHCT373DW	.43	.33	.25
74AHCT373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	288892CJ	SN74AHCT373N	.29	.237	.214
74AHCT374	SOIC-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	289561CJ	SN74AHCT374DW	.29	.237	.212
74AHCT374	DIP-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	288913CJ	SN74AHCT374N	.29	.237	.212
74AHCT574	SOIC-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	289617CJ	SN74AHCT574DW	.43	.33	.25
74AHCT574	DIP-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	288964CJ	SN74AHCT574N	.43	.33	.25

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Part No.	Cross Ref.	1	10	100
289326CJ	74AHCT138M	$.45	$.365	$.277
243248CJ	74AHCT138N	.36	.31	.23
289351CJ	74AHCT139M	.44	.35	.277
243256CJ	74AHCT139N	.26	.252	.185
289414CJ	74AHCT240M	.41	.349	.269
214244CJ	74AHCT240N	.26	.22	.165
289457CJ	74AHCT244M	.39	.299	.227
63466CJ	74AHCT244N	.26	.22	.17
289481CJ	74AHCT245M	.39	.299	.227
43887CJ	74AHCT245N	.39	.299	.227
289511CJ	74AHCT373M	.39	.299	.227
43908CJ	74AHCT373N	.26	.22	.193
289570CJ	74AHCT374M	.26	.216	.193
43916CJ	74AHCT374N	.26	.22	.165
289633CJ	74AHCT574M	.39	.30	.227
214252CJ	74AHCT574N	.39	.299	.227

74ABTXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
ABT	DIP	SN74ABTXXXN	74ABTXXXN	74ABTXXXPC	74ABTXXXN
	SOIC	SN74ABTXXXD/DW	74ABTXXXD	74ABTXXXSC	74ABTXXXD

74ABT Series – BiCMOS Technology for High Performance Bus Systems

DIP SOIC

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TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74ABT125	SOIC-14	Quad buffer w/ 3-state outputs	290811CJ	SN74ABT125D	$.51	$.41	$.31
74ABT125	DIP-14	Quad bus buffer gate w/ 3-state outputs	290482CJ	SN74ABT125N	.41	.34	.29
74ABT240	SOIC-20	Octal invert. buffer/driver w/ 3-state outputs	290909CJ	SN74ABT240ADW	.82	.62	.48
74ABT240	DIP-20	Octal invert. buffer/driver w/ 3-state outputs	290503CJ	SN74ABT240AN	.72	.62	.47
74ABT241	SOIC-20	Octal buffer/driver w/ 3-state outputs	290941CJ	SN74ABT241ADW	.82	.62	.48
74ABT244	SOIC-20	Octal buffer/driver w/ 3-state outputs	291160CJ	SN74ABT244ADW	.67	.51	.39
74ABT244	DIP-20	Octal buffer/driver w/ 3-state outputs	290511CJ	SN74ABT244AN	.67	.51	.39
74ABT245	SOIC-20	Octal bus transciever w/ 3-state ouputs	291186CJ	SN74ABT245BDW	.67	.51	.39
74ABT245	DIP-20	Octal bus transciever w/ 3-state ouputs	290520CJ	SN74ABT245BN	.67	.51	.39
74ABT373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	291223CJ	SN74ABT373DW	.65	.491	.373
74ABT373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	290546CJ	SN74ABT373N	.65	.491	.377
74ABT374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	291266CJ	SN74ABT374ADW	.67	.51	.39
74ABT374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	290589CJ	SN74ABT374AN	.65	.491	.373
74ABT377	SOIC-20	Octal edge-triggered D-type flip-flop w/ clock enable	291354CJ	SN74ABT377ADW	.74	.56	.43
74ABT534	SOIC-20	Octal edge-triggered D-type flip-flop w/ 3-st. outputs	291371CJ	SN74ABT534ADW	.79	.66	.59
74ABT541	SOIC-20	Octal buffer/driver w/ 3-state NOR gate enabled	291418CJ	SN74ABT541BDW	.66	.47	.42
74ABT541	DIP-20	Octal buffer/driver w/ 3-state NOR gate enabled	290685CJ	SN74ABT541BN	.74	.56	.43
74ABT573	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	291442CJ	SN74ABT573ADW	.65	.49	.38
74ABT573	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	290693CJ	SN74ABT573AN	.67	.51	.39
74ABT574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	291557CJ	SN74ABT574ADW	.67	.51	.39
74ABT574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	290706CJ	SN74ABT574AN	.32	.309	.304
74ABT646	SOIC-20	Octal bus transciever w/ 3-state outputs	291602CJ	SN74ABT646ADW	1.25	1.06	.86
74ABT646	DIP-24	Octal bus transciever w/ 3-state outputs	290714CJ	SN74ABT646ANT	1.29	1.09	.87
74ABT652	SOIC-24	Octal registered transcievers w/ 3-st. outputs	291741CJ	SN74ABT652ADW	1.35	1.12	.89
74ABT2240	SOIC-20	Octal buffer/driver w/ 3-state outputs	291750CJ	SN74ABT2240ADW	.82	.62	.47
74ABT2244	SOIC-20	Octal buffer/driver w/ 30 ohms series resistors, 3-st.	291776CJ	SN74ABT2244ADW	.65	.491	.377
74ABT2244	DIP-20	Octal buffer/driver w/ 30 ohms series resistors, 3-st.	290722CJ	SN74ABT2244AN	.65	.491	.377
74ABT5402	SOIC-28	12-bit line/memory driver w/ 3-state outputs	291397CJ	SN74ABT5402ADW	3.09	2.69	2.53

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Part No.	Cross Ref.	1	10	100
290837CJ	74ABT125D	$.45	$.365	$.277
290351CJ	74ABT125N	.36	.291	.27
290917CJ	74ABT240AD	.72	.55	.42
290360CJ	74ABT240AN	.63	.55	.42
290950CJ	74ABT241AD	.72	.548	.42
291178CJ	74ABT244AD	.59	.45	.34
290378CJ	74ABT244AN	.59	.448	.344
291194CJ	74ABT245BD	.59	.448	.344
290386CJ	74ABT245BN	.59	.448	.344
291240CJ	74ABT373D	.59	.448	.344
290415CJ	74ABT373N	.59	.448	.34
291274CJ	74ABT374AD	.59	.448	.344
290423CJ	74ABT374AN	.59	.448	.344
291362CJ	74ABT377AD	.66	.50	.378
291389CJ	74ABT534AD	.73	.65	.59
291426CJ	74ABT541BD	.58	.398	.37
290440CJ	74ABT541BN	.66	.498	.378
291469CJ	74ABT573AD	.59	.448	.34
290431CJ	74ABT573AN	.59	.448	.344
291565CJ	74ABT574AD	.59	.45	.34
290458CJ	74ABT574AN	.35	.309	.304
291637CJ	74ABT646AD	1.15	.97	.78
290466CJ	74ABT646AN	1.15	.97	.78
291733CJ	74ABT652AD	1.15	.99	.80
291768CJ	74ABT2240AD	.72	.55	.416
291784CJ	74ABT2244AD	.59	.448	.34
290343CJ	74ABT2244AN	.59	.448	.344
291400CJ	74ABT5402AD	2.79	2.69	2.53

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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Standard Logic (Continued)

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74HC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
HC(T)	DIP	SN74HC(T)XXXN	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	DIP	CD74HC(T)XXXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXXD/DW	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	SOIC	CD74HC(T)XXXM	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	TSSOP	SN74HC(T)XXXPW	74HC(T)XXXT	MM74HC(T)XXXMTC	MC74HC(T)XXXDT	M74HC(T)XXXT	74HC(T)XXXPW	—

74HC Series – HC family offers CMOS inputs with CMOS outputs

DIP  SOIC  TSSOP 

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TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HC00	SOIC-14	Quad 2-input NAND gates	251889CJ	SN74HC00D	✳	$.137	$.12
74HC00	DIP-14	Quad 2-input NAND gates	250966CJ	SN74HC00N	.24	.21	.151
74HC00	TSSOP-14	Quad 2-input NAND gates	379911CJ	SN74HC00PW	✳	.137	.12
74HC02	SOIC-14	Quad 2-input NOR gates	251926CJ	SN74HC02D	✳	.137	.102
74HC02	DIP-14	Quad 2-input NOR gates	250974CJ	SN74HC02N	.26	.173	.156
74HC02	TSSOP-14	Quad 2-input NOR gates					
74HC04	SOIC-14	Hex inverter	251934CJ	SN74HC04D	✳	.137	.103
74HC04	DIP-14	Hex inverter	250982CJ	SN74HC04N	.26	.228	.193
74HC04	TSSOP-14	Hex Inverter	380058CJ	SN74HC04PW	✳	.137	.12
74HC08	SOIC-14	Quad 2-input AND gates	251942CJ	SN74HC08D	✳	.135	.09
74HC08	DIP-14	Quad 2-input AND gates	251002CJ	SN74HC08N	✳	.173	.13
74HC08	TSSOP-14	Quad 2-input AND gates	380074CJ	SN74HC08PW	✳	.137	.12
74HC10	SOIC-14	Triple 3-input NAND gates	251951CJ	SN74HC10D	✳	.137	.103
74HC10	DIP-14	Triple 3-input NAND gates	251011CJ	SN74HC10N	.37	.30	.202
74HC11	DIP-14	Triple 3-input AND gates	251037CJ	SN74HC11N	.20	.17	.13
74HC14	SOIC-14	Hex Schmitt trigger inverter	251969CJ	SN74HC14D	✳	.155	.116
74HC14	DIP-14	Hex Schmitt trigger inverter	251045CJ	SN74HC14N	.24	.21	.18
74HC14	TSSOP-14	Hex Schmitt trigger inverter	380269CJ	SN74HC14PW	.39	.319	.221
74HC30	SOIC-14	8-input NAND gate	251985CJ	CD74HC30M	.31	.26	.195
74HC30	DIP-14	8-input NAND gate	251070CJ	CD74HC30E	.31	.28	.20
74HC32	SOIC-14	Quad 2-input OR gates	251993CJ	SN74HC32D	✳	.137	.102
74HC32	DIP-14	Quad 2-input OR gates	251088CJ	SN74HC32N	~~$.30~~ .20	.17	.128
74HC32	TSSOP-14	Quad 2-input OR gates	380648CJ	SN74HC32PW	✳	.137	.12
74HC74	SOIC-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	252030CJ	SN74HC74D	✳	.155	.138
74HC74	DIP-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	251096CJ	SN74HC74N	~~$.38~~ .30	.275	.242
74HC74	TSSOP-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	381106CJ	SN74HC74PW	✳	.155	.138
74HC85	SOIC-16	4-bit magnitude comparator	252048CJ	CD74HC85M	.59	.54	.49
74HC85	DIP-16	4-bit magnitude comparator	251109CJ	CD74HC85E	.54	.46	.34
74HC86	SOIC-14	Quad 2-input Exclusive OR gates	252056CJ	SN74HC86D	✳	.126	.095
74HC86	DIP-14	Quad 2-input Exclusive OR gates	251133CJ	SN74HC86N	~~$.27~~ .25	.182	.156
74HC86	TSSOP-14	Quad 2-input Exclusive OR gates	381122CJ	SN74HC86PW	✳	.155	.138
74HC123	SOIC-16	Dual retrig. monostable multivibrator w/ reset	252064CJ	CD74HC123M	.43	.328	.248
74HC123	DIP-16	Dual retrig. monostable multivibrator w/ reset	251184CJ	CD74HC123E	~~$.40~~ .32	.27	.20
74HC123	TSSOP-16	Dual retrig. monostable multivibrator w/ reset					
74HC125	SOIC-14	Quad bus buffer w/ 3-state outputs	252072CJ	SN74HC125D	.23	.20	.166
74HC125	DIP-14	Quad bus buffer w/ 3-state outputs	251192CJ	SN74HC125N	.31	.26	.20
74HC125	TSSOP-14	Quad bus buffer w/ 3-state outputs					
74HC132	SOIC-14	Quad pos. NAND gate w/ Schmitt trigger input	252081CJ	SN74HC132D	.26	.218	.193
74HC132	DIP-14	Quad pos. NAND gate w/ Schmitt trigger input	251205CJ	SN74HC132N	.31	.26	.20
74HC132	TSSOP-14	Quad pos. NAND gate w/ Schmitt trigger input	380146CJ	ST74HC132PW	.32	.273	.248
74HC138	SOIC-16	3-to-8 decoder/demultiplexer	252099CJ	SN74HC138D	.26	.22	.165
74HC138	DIP-16	3-to-8 decoder/demultiplexer	251213CJ	SN74HC138N	.33	.29	.20
74HC138	TSSOP-16	3-to-8 decoder/demultiplexer					
74HC139	SOIC-16	2 to 4 decoder/demultiplexer	252101CJ	SN74HC139D	.40	.34	.26
74HC139	DIP-16	2-to 4 decoder/demultiplexer	251221CJ	SN74HC139N	~~$.40~~ .35	.30	.22
74HC154	SOIC-24	4-to-16 line decoder	252110CJ	CD74HC154M	.41	.35	.26
74HC154	DIP-24	4-to-16 line decoder (.6"W)	251230CJ	CD74HC154E	.69	.63	.57
74HC154	DIP-24	4-to-16 line decoder (.3"W)	251248CJ	CD74HC154EN	.46	.41	.367
74HC154	TSSOP-24	4-to-16 line decoder					
74HC157	SOIC-16	Quad 2-to-1 line data selector/multiplexer	252136CJ	SN74HC157D	.23	.183	.17
74HC157	DIP-16	Quad 2-to-1 line data selector/multiplexer	251299CJ	SN74HC157N	.28	.20	.175
74HC157	TSSOP-16	Quad 2-to-1 line data selector/multiplexer	380306CJ	SN74HC157PW	.26	.218	.193

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✳ Prepackaged: order in increments of 10 or 126

Part No.	Cross Ref.	1	10	100
197106CJ	74HC00M	✳	$.125	$.094
45161CJ	74HC00N	.22	.19	.14
380015CJ	74HC00T	✳	.125	.109
197114CJ	74HC02M	✳	.125	.094
45188CJ	74HC02N	.24	.158	.126
380031CJ	74HC02T	✳	.125	.109
197122CJ	74HC04M	✳	.125	.094
45209CJ	74HC04N	.24	.208	.176
380066CJ	74HC04T	✳	.125	.109
197131CJ	74HC08M	✳	.125	.094
45225CJ	74HC08N	✳	.158	.12
380082CJ	74HC08T	✳	.125	.109
243272CJ	74HC10M	✳	.125	.094
45233CJ	74HC10N	.34	.274	.185
45268CJ	74HC11N	✳	.158	.119
197149CJ	74HC14M	✳	.141	.106
45364CJ	74HC14N	.22	.19	.17
380277CJ	74HC14T	.36	.289	.203
243281CJ	74HC30M	.28	.234	.178
45786CJ	74HC30N	.44	.30	.22
197157CJ	74HC32M	✳	.125	.094
45794CJ	74HC32N	✳	.158	.119
380656CJ	74HC32T	✳	.125	.109
197165CJ	74HC74M	✳	.141	.106
46130CJ	74HC74N	~~$.35~~ .27	.25	.22
381114CJ	74HC74T	✳	.141	.126
243299CJ	74HC85M	.43	.37	.27
46172CJ	74HC85N	.49	.42	.31
243301CJ	74HC86M	✳	.108	.081
46181CJ	74HC86N	~~$.25~~ .23	.166	.143
381131CJ	74HC86T	✳	.141	.126
243310CJ	74HC123M	.39	.299	.227
45292CJ	74HC123N	~~$.37~~ .30	.243	.18
380103CJ	74HC123T	.34	.291	.227
243328CJ	74HC125M	.21	.19	.16
45305CJ	74HC125N	.28	.24	.18
380120CJ	74HC125T	.21	.22	.165
243731CJ	74HC132M	.26	.22	.165
45321CJ	74HC132N	.28	.234	.18
380197CJ	74HC132T	.30	.249	.227
197173CJ	74HC138M	.24	.20	.153
45330CJ	74HC138N	.30	.27	.18
380251CJ	74HC138T	.24	.199	.176
243740CJ	74HC139M	.36	.31	.23
45356CJ	74HC139N	~~$.36~~ .32	.27	.20
243758CJ	74HC154WM	~~$.40~~ .37	.30	.23
111739CJ	74HC154WN	.64	.58	.53
45401CJ	74HC154N	.43	.38	.34
380293CJ	74HC154T	.20	.159	.121
243766CJ	74HC157M	.21	.166	.125
45428CJ	74HC157N	~~$.27~~ .25	.18	.158
380314CJ	74HC157T	.24	.199	.176

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HC161	SOIC-16	4-bit synchronous binary counter	252144CJ	SN74HC161D	$.27	$.182	$.156
74HC161	DIP-16	4-bit synchronous binary counter	251301CJ	SN74HC161N	.29	.25	.18
74HC163	DIP-16	4-bit synchronous presettable binary counter	251310CJ	SN74HC163N	.32	.282	.258
74HC164	SOIC-14	8-bit parallel out serial shift register	252152CJ	SN74HC164D	.25	.21	.16
74HC164	DIP-14	8-bit parallel out serial shift register	251328CJ	SN74HC164N	.41	.33	.25
74HC165	SOIC-16	8-bit parallel load shift register	252161CJ	SN74HC165D	~~.36~~ .32	.27	.20
74HC165	DIP-16	8-bit parallel load shift register	251336CJ	SN74HC165N	.35	.30	.22
74HC165	TSSOP-16	8-bit parallel load shift register	380381CJ	SN74HC165PW	.32	.273	.239
74HC174	SOIC-16	Hex-D-type flip-flop with clear	252179CJ	SN74HC174D	.25	.21	.16
74HC174	DIP-16	Hex-D-type flip-flop with clear	251352CJ	SN74HC174N	~~.41~~ .28	.24	.18
74HC174	TSSOP-16	Hex-D-type flip-flop with clear	380437CJ	SN74HC174PW	.32	.273	.239
74HC192	DIP-16	Presettable synchronous 4-bit up/down counter	251395CJ	CD74HC192E	1.75	1.57	1.39
74HC193	SOIC-16	4-bit synch up/down counter (dual clock w/ clear)	252187CJ	SN74HC193D	.43	.328	.248
74HC193	DIP-16	4-bit synch up/down counter (dual clock w/ clear)	251387CJ	SN74HC193N	.32	.291	.184
74HC221	SOIC-16	Dual monostable multivibrator w/reset	252259CJ	CD74HC221M	.52	.44	.33
74HC221	DIP-16	Dual monostable multivibrator w/reset	251408CJ	CD74HC221E	.58	.437	.331
74HC240	SOIC-20	Octal invert. buffer/line driver w/ 3-st. output	252267CJ	SN74HC240DW	.28	.24	.18
74HC240	DIP-20	Octal invert. buffer/line driver w/ 3-st. output	251416CJ	SN74HC240N	~~.37~~ .32	.228	.171
74HC240	TSSOP-20	Octal invert. buffer/line driver w/ 3-st. output	380461CJ	SN74HC240PW	.28	.237	.202
74HC244	SOIC-20	Octal buffer and line driver w/ 3-state output	252275CJ	SN74HC244DW	~~.28~~ .24	.219	.157
74HC244	DIP-20	Octal buffer and line driver w/ 3-state output	251424CJ	SN74HC244N	.49	.42	.31
74HC244	TSSOP-20	Octal buffer and line driver w/ 3-state output	380525CJ	SN74HC244PW	.28	.237	.202
74HC245	SOIC-20	Octal bus transceiver w/ 3-state output	252291CJ	SN74HC245DW	~~.43~~ .28	.24	.18
74HC245	DIP-20	Octal bus transceiver w/ 3-state output	251432CJ	SN74HC245N	.49	.41	.31
74HC245	TSSOP-20	Octal bus transceiver w/ 3-state output	380568CJ	SN74HC245PW	.28	.237	.202
74HC273	SOIC-20	Octal D-type flip-flops with clear	252304CJ	SN74HC273DW	.28	.24	.18
74HC273	DIP-20	Octal D-type flip-flops with clear	251459CJ	SN74HC273N	.35	.30	.22
74HC273	TSSOP-20	Octal D-type flip-flops with clear	380613CJ	SN74HC273PW	.28	.237	.202
74HC373	SOIC-20	Octal D-type transparent latches w/ 3-state out. H.O.	252312CJ	SN74HC373DW	.28	.24	.18
74HC373	DIP-20	Octal D-type transparent latches w/ 3-state out. H.O.	251475CJ	SN74HC373N	.49	.42	.38
74HC373	TSSOP-20	Octal D-type transparent latches w/ 3-state out. H.O.	380664CJ	SN74HC373PW	.28	.237	.202
74HC374	SOIC-20	Octal edge trig D-type flip-flops w/ 3-state outputs	252321CJ	SN74HC374DW	.28	.24	.18
74HC374	DIP-20	Octal edge trig D-type flip-flops w/ 3-state outputs	251483CJ	SN74HC374N	.53	.42	.31
74HC374	TSSOP-20	Octal edge trig D-type flip-flops w/ 3-state outputs	380736CJ	SN74HC374PW	.28	.237	.202
74HC393	SOIC-14	Dual 4-bit binary counter	252339CJ	SN74HC393D	.28	.24	.18
74HC393	DIP-14	Dual 4-bit binary counter	251504CJ	SN74HC393N	.32	.29	.26
74HC540	SOIC-20	Octal buffer and line driver w/ 3-state output	252347CJ	SN74HC540DW	.28	.24	.18
74HC540	DIP-20	Octal buffer and line driver w/ 3-state output	251512CJ	SN74HC540N	.34	.291	.258
74HC540	TSSOP-20	Octal buffer and line driver w/ 3-state output	380980CJ	SN74HC540PW	.29	.246	.221
74HC541	SOIC-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	252355CJ	SN74HC541DW	.29	.25	.18
74HC541	DIP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	251521CJ	SN74HC541N	.41	.35	.26
74HC541	TSSOP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	381000CJ	SN74HC541PW	.50	.382	.29
74HC573	SOIC-20	Octal transparent D-type latches w/ 3-st. outputs	252363CJ	SN74HC573ADW	.29	.25	.18
74HC573	DIP-20	Octal transparent D-type latches w/ 3-st. outputs	251547CJ	SN74HC573AN	.41	.346	.304
74HC573	TSSOP-20	Octal transparent D-type latches w/ 3-st. outputs	381026CJ	SN74HC573APW	.29	.246	.221
74HC574	SOIC-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	252371CJ	SN74HC574DW	.28	.237	.156
74HC574	DIP-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	251555CJ	SN74HC574N	.41	.35	.26
74HC574	TSSOP-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	381042CJ	SN74HC574PW	.29	.246	.221
74HC590	DIP-16	8-bit binary counter w/ output reg. tri-state	251635CJ	SN74HC590AN	.41	.346	.304
74HC595	SOIC-16	8-bit shift registers w/ 3-st. output registers	252523CJ	SN74HC595D	~~.28~~ .25	.237	.193
74HC595	DIP-16	8-bit shift registers w/ 3-st. output registers	251643CJ	SN74HC595N	.67	.48	.42
74HC595	TSSOP-16	8-bit shift registers w/ 3-st. output registers					
74HC688	SOIC-20	8-bit identity comparators	252531CJ	SN74HC688DW	.42	.36	.27
74HC688	DIP-20	8-bit identity comparators	251651CJ	SN74HC688N	.49	.42	.31
74HC688	TSSOP-20	8-bit identity comparators					
74HC4017	DIP-16	Decade ctr/div with 10 decoded outputs	251660CJ	CD74HC4017E	.54	.49	.469
74HC4020	SOIC-16	14-bit asynchronous binary counter	252540CJ	SN74HC4020D	.43	.25	.188
74HC4020	DIP-16	14-bit asynchronous binary counter	251678CJ	CD74HC4020E	.29	.20	.184
74HC4040	SOIC-16	12-bit asynchronous binary counter	252558CJ	SN74HC4040D	.27	.23	.17
74HC4040	DIP-16	12-bit asynchronous binary counter	251686CJ	SN74HC4040N	.33	.26	.22
74HC4040	TSSOP-16	12-bit asynchronous binary counter	380752CJ	SN74HC4040PW	.39	.328	.248

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Part No.	Cross Ref.	1	10	100
243774CJ	74HC161M	$.25	$.162	$.122
45452CJ	74HC161N	~~.30~~ .26	.22	.165
45479CJ	74HC163N	.28	.24	.18
197181CJ	74HC164M	.23	.20	.15
45487CJ	74HC164N	.38	.30	.23
197190CJ	74HC165M	.30	.26	.19
45495CJ	74HC165N	.32	.27	.20
380429CJ	74HC165T	.30	.249	.218
243782CJ	74HC174M	.23	.174	.151
45508CJ	74HC174N	~~.38~~ .25	.21	.16
380453CJ	74HC174T	.30	.249	.218
45541CJ	74HC192N	1.59	1.45	1.29
243791CJ	74HC193M	.39	.299	.227
45559CJ	74HC193N	.30	.266	.168
243803CJ	74HC221AM	.43	.37	.27
45604CJ	74HC221N	.53	.398	.302
243811CJ	74HC240WM	.25	.21	.16
45612CJ	74HC240N	~~.34~~ .29	.205	.154
380488CJ	74HC240T	.25	.216	.185
197202CJ	74HC244M	~~.25~~ .22	.199	.143
45655CJ	74HC244N	.45	.39	.35
380509CJ	74HC244T	.25	.216	.185
197211CJ	74HC245M	~~.39~~ .25	.21	.16
45671CJ	74HC245N	.45	.38	.29
380592CJ	74HC245T	.25	.216	.185
243820CJ	74HC273WM	.25	.21	.16
45743CJ	74HC273N	.32	.27	.20
380630CJ	74HC273T	.25	.216	.185
197229CJ	74HC373M	.25	.21	.16
45831CJ	74HC373N	.45	.39	.35
380699CJ	74HC373T	.25	.216	.185
197237CJ	74HC374M	.25	.191	.17
45858CJ	74HC374N	.49	.39	.29
380744CJ	74HC374T	.25	.216	.185
243838CJ	74HC393M	.25	.21	.16
45874CJ	74HC393N	~~.33~~ .29	.25	.18
243846CJ	74HC540WM	.26	.22	.165
109760CJ	74HC540N	.37	.31	.232
380998CJ	74HC540T	.26	.224	.202
243854CJ	74HC541WM	.26	.22	.17
46050CJ	74HC541N	.37	.31	.24
381018CJ	74HC541T	.46	.349	.265
197245CJ	74HC573M	.26	.22	.17
46076CJ	74HC573N	.37	.31	.233
381034CJ	74HC573T	.26	.224	.202
197253CJ	74HC574M	.25	.216	.143
46084CJ	74HC574N	.37	.31	.233
381051CJ	74HC574T	.26	.224	.202
88090CJ	74HC590N	.38	.32	.24
245075CJ	74HC595M	.23	.216	.176
46105CJ	74HC595N	.62	.44	.39
381077CJ	74HC595T	.25	.216	.185
245083CJ	74HC688WM	.38	.32	.24
46113CJ	74HC688N	.44	.37	.28
381093CJ	74HC688T	.39	.324	.286
45891CJ	74HC4017N	.50	.46	.428
245091CJ	74HC4020M	.39	.21	.16
45903CJ	74HC4020N	.26	.183	.168
245104CJ	74HC4040M	.25	.21	.16
45920CJ	74HC4040N	.30	.24	.21
380787CJ	74HC4040T	.35	.299	.227

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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Standard Logic (Continued)

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74HC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
HC(T)	DIP	SN74HC(T)XXXN	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	DIP	CD74HC(T)XXXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXXD/DW	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	SOIC	CD74HC(T)XXXM	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	TSSOP	SN74HC(T)XXXPW	74HC(T)XXXT	MM74HC(T)XXXMTC	MC74HC(T)XXXDT	M74HC(T)XXXT	74HC(T)XXXPW	—

74HC Series (Continued) – HC family offers CMOS inputs with CMOS outputs

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HC4046	SOIC-16	Phase locked loop w/ VCO	252460CJ	CD74HC4046AM	$.39	$.33	$.25
74HC4046	DIP-16	Phase locked loop w/ VCO	251694CJ	CD74HC4046AE	.47	.382	.29
74HC4046	TSSOP-16	Phase locked loop w/ VCO					
74HC4049	SOIC-16	Hex buffers inverting	252478CJ	CD74HC4049M	~~$.36~~ .34	.29	.25
74HC4049	DIP-16	Hex buffers inverting	272049CJ	CD74HC4049E	.42	.355	.29
74HC4049	TSSOP-16	Hex buffers inverting					
74HC4050	SOIC-16	Hex buffers non-inverting	252486CJ	CD74HC4050M	.40	.34	.26
74HC4050	DIP-16	Hex buffers non-inverting	272065CJ	CD74HC4050E	.45	.364	.276
74HC4050	TSSOP-16	Hex buffers non-inverting	380841CJ	CD74HC4050PW	.42	.355	.276
74HC4051	SOIC-16	8-channel analog multiplexer	252380CJ	CD74HC4051M	.39	.33	.25
74HC4051	DIP-16	8-channel analog multiplexer	251707CJ	CD74HC4051E	.40	.34	.26
74HC4051	TSSOP-16	8-channel analog multiplexer					
74HC4052	SOIC-16	Dual 4-channel analog multiplexer	252494CJ	CD74HC4052M	.42	.355	.236
74HC4052	DIP-16	Dual 4-channel analog multiplexer	272081CJ	CD74HC4052E	.48	.36	.273
74HC4052	TSSOP-16	Dual 4-channel analog multiplexer					
74HC4053	SOIC-16	Triple 2-channel analog multiplexer	252515CJ	CD74HC4053M	.38	.32	.24
74HC4053	DIP-16	Triple 2-channel analog multiplexer	272111CJ	CD74HC4053E	.44	.40	.276
74HC4053	TSSOP-16	Triple 2-channel analog multiplexer	380904CJ	CD74HC4053PW	.42	.355	.276
74HC4060	SOIC-16	14-stage asynch binary counter and oscillator	252419CJ	SN74HC4060D	.43	.355	.248
74HC4060	DIP-16	14-stage asynch binary counter and oscillator	251803CJ	SN74HC4060N	~~$.43~~ .36	.31	.23
74HC4060	TSSOP-16	14-stage asynch binary counter and oscillator	380921CJ	SN74HC4060PW	.42	.355	.313
74HC4066	SOIC-14	Quad bilateral analog switch	252435CJ	SN74HC4066D	~~$.42~~ .32	.237	.181
74HC4066	DIP-14	Quad bilateral analog switch	251811CJ	SN74HC4066N	.45	.364	.276
74HC4066	TSSOP-14	Quad bilateral analog switch	380947CJ	SN74HC4066PW	.42	.355	.276
74HC4316	SOIC-16	High speed quad analog switches w/ level translation	252566CJ	CD74HC4316M	.42	.36	.28
74HC4316	DIP-16	High speed quad analog switches w/ level translation	272145CJ	CD74HC4316E	~~$.49~~ .34	.282	.235
74HC4316	TSSOP-16	High speed quad analog switches w/ level translation	380963CJ	CD74HC4316PW	.42	.324	.286
74HC4514	DIP-24	4-to-16-line decoder/demultiplexer w/ input latch (.3"W)	318908CJ	CD74HC4514EN	.88	.83	.80
74HC4514	DIP-24	4-to-16-line decoder/demultiplexer w/ input latch (.6"W)	251820CJ	CD74HC4514E	1.69	1.54	1.40
74HC4538	SOIC-16	Dual retrig precision monostable multivibrator	252443CJ	CD74HC4538M	.30	.26	.227
74HC4538	DIP-16	Dual retrig precision monostable multivibrator	251838CJ	CD74HC4538E	.46	.421	.302

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Part No.	Cross Ref.	1	10	100
243900CJ	74HC4046M	$.35	$.30	$.22
45938CJ	74HC4046N	.44	.37	.269
380816CJ	74HC4046T	.35	.299	.252
243918CJ	74HC4049M	.31	.26	.20
272057CJ	74HC4049N	.39	.33	.25
380832CJ	74HC4049T	.31	.266	.235
243926CJ	74HC4050M	~~$.38~~ .36	.31	.23
272073CJ	74HC4050N	.41	.332	.252
380859CJ	74HC4050T	.39	.324	.252
243862CJ	74HC4051M	.35	.30	.22
88102CJ	74HC4051N	.36	.31	.23
380875CJ	74HC4051T	.39	.324	.252
245059CJ	74HC4052M	.38	.284	.215
272090CJ	74HC4052N	.44	.329	.249
380891CJ	74HC4052T	.39	.299	.227
245067CJ	74HC4053M	.35	.30	.22
272129CJ	74HC4053N	.40	.365	.252
380912CJ	74HC4053T	.39	.324	.252
243871CJ	74HC4060M	.39	.30	.23
45962CJ	74HC4060N	.33	.30	.27
380939CJ	74HC4060T	.39	.324	.286
243889CJ	74HC4066M	~~$.39~~ .29	.216	.165
45971CJ	74HC4066N	.41	.332	.252
380955CJ	74HC4066T	.39	.324	.252
245112CJ	74HC4316M	.39	.33	.25
272153CJ	74HC4316N	.44	.374	.336
380971CJ	74HC4316T	.39	.324	.286
46009CJ	74HC4514N (.3"W)	.81	.69	.52
243897CJ	74HC4538M	.27	.23	.21
46017CJ	74HC4538N	.43	.39	.28

74HCT Series – HCT family offers TTL inputs with CMOS outputs

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HCT00	SOIC-14	Quad 2-input NAND gates	246393CJ	SN74HCT00D	✳	$.137	$.103
74HCT00	DIP-14	Quad 2-input NAND gates	246406CJ	SN74HCT00N	.26	.22	.165
74HCT00	TSSOP-14	Quad 2-input NAND gates	381149CJ	SN74HCT00PW	✳	.137	.12
74HCT02	SOIC-14	Quad 2-input NOR gates	268373CJ	SN74HCT02D	.31	.26	.20
74HCT02	DIP-14	Quad 2-input NOR gates	246414CJ	SN74HCT02N	~~$.40~~ .36	.291	.202
74HCT04	SOIC-14	Hex inverters	246369CJ	SN74HCT04D	✳	.137	.11
74HCT04	DIP-14	Hex inverters	246422CJ	SN74HCT04N	✳	.158	.134
74HCT04	TSSOP-14	Hex inverters	381165CJ	SN74HCT04PW	✳	.137	.12
74HCT08	SOIC-14	Quad 2-input AND gates	246078CJ	SN74HCT08D	✳	.137	.103
74HCT08	DIP-14	Quad 2-input AND gates	246431CJ	SN74HCT08N	.26	.19	.129
74HCT08	TSSOP-14	Quad 2-input AND gates	381181CJ	SN74HCT08PW	✳	.137	.12
74HCT14	SOIC-14	Hex Schmitt trigger inverters	246377CJ	SN74HCT14D	✳	.155	.116
74HCT14	DIP-14	Hex Schmitt trigger inverters	246449CJ	SN74HCT14N	.25	.21	.16
74HCT14	TSSOP-14	Hex Schmitt trigger inverters	381229CJ	SN74HCT14PW	✳	.155	.138

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Part No.	Cross Ref.	1	10	100
246027CJ	74HCT00M	✳	$.125	$.094
44871CJ	74HCT00N	.24	.20	.15
381157CJ	74HCT00T	✳	.125	.109
268390CJ	74HCT02M	.28	.24	.18
44880CJ	74HCT02N	~~$.36~~ .33	.266	.185
246035CJ	74HCT04M	✳	.125	.101
44898CJ	74HCT04N	✳	.158	.118
381173CJ	74HCT04T	✳	.125	.125
246043CJ	74HCT08M	✳	.125	.094
44901CJ	74HCT08N	.24	.183	.118
381190CJ	74HCT08T	✳	.125	.109
246060CJ	74HCT14M	✳	.141	.106
44935CJ	74HCT14N	.23	.20	.15
381237CJ	74HCT14T	✳	.141	.126

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74HCT Series (Continued) – HCT family offers TTL inputs with CMOS outputs

NEW

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Quantity SAVE

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HCT32	SOIC-14	Quad 2-input OR gates	246318CJ	SN74HCT32D	✳	$.137	$.103
74HCT32	DIP-14	Quad 2-input OR gates	246457CJ	SN74HCT32N	.20	.173	.156
74HCT32	TSSOP-14	Quad 2-input OR gates	381325CJ	SN74HCT32PW	✳	.137	.12
74HCT74	SOIC-14	Dual D-type pos edge-trig flip-flops w/ clear and preset	246262CJ	SN74HCT74D	✳	.155	.116
74HCT74	DIP-14	Dual D-type pos edge-trig flip-flops w/ clear and preset	246465CJ	SN74HCT74N	.29	.25	.218
74HCT74	TSSOP-14	Dual D-type pos edge-trig flip-flops w/ clear and preset	381472CJ	SN74HCT74PW	✳	.155	.138
74HCT86	SOIC-14	Quad 2-input exclusive OR gates	268411CJ	CD74HCT86M	.36	.32	.26
74HCT86	DIP-14	Quad 2-input exclusive OR gates	246473CJ	CD74HCT86E	.30	.24	.18
74HCT123	SOIC-16	Dual retrig. monostable multivibrators w/ reset	271951CJ	CD74HCT123M	.32	.27	.22
74HCT123	DIP-16	Dual retrig. monostable multivibrators w/ reset	246481CJ	CD74HCT123E	.30	.246	.239
74HCT125	SOIC-14	Quad 3-state bus buffers	271986CJ	SN74HCT125D	~~$.36~~ .32	.297	.225
74HCT125	DIP-14	Quad 3-state bus buffers	246490CJ	SN74HCT125N	.29	.237	.212
74HCT138	SOIC-16	3 to 8 decoder/demultiplexer	246385CJ	SN74HCT138D	~~$.29~~ .22	.19	.143
74HCT138	DIP-16	3 to 8 decoder/demultiplexer	246502CJ	SN74HCT138N	.40	.346	.304
74HCT138	TSSOP-16	3 to 8 decoder/demultiplexer	381202CJ	SN74HCT138PW	.26	.218	.193
74HCT139	SOIC-16	2 to 4 decoder/demultiplexer	246289CJ	SN74HCT139D	.27	.23	.17
74HCT139	DIP-16	2 to 4 decoder/demultiplexer	246511CJ	SN74HCT139N	.33	.291	.239
74HCT154	DIP-24	4 to 16 decoder/demultiplexer	246521CJ	CD74HCT154E	1.15	.98	.73
74HCT157	SOIC-16	Quad 2 to 1 data selectors/multiplexers	246300CJ	SN74HCT157D	.45	.38	.29
74HCT157	DIP-16	Quad 2 to 1 data selectors/multiplexers	272170CJ	SN74HCT157N	.34	.26	.22
74HCT164	SOIC-14	8-bit serial in/parallel out shift register	253016CJ	CD74HCT164M	~~$.34~~ .32	.27	.20
74HCT164	DIP-14	8-bit serial in/parallel out shift register	250819CJ	CD74HCT164E	.42	.355	.273
74HCT240	SOIC-20	Octal invert. buffer/line driver w/ 3-st. outputs	246351CJ	SN74HCT240DW	~~$.34~~ .28	.24	.18
74HCT240	DIP-20	Octal invert. buffer/line driver w/ 3-st. outputs	250827CJ	SN74HCT240N	.35	.30	.22
74HCT240	TSSOP-20	Octal invert. buffer/line driver w/ 3-st. outputs	381253CJ	SN74HCT240PW	.28	.237	.202
74HCT244	SOIC-20	Octal buffer/line driver w/ 3-state outputs	246342CJ	SN74HCT244DW	~~$.43~~ .28	.24	.18
74HCT244	DIP-20	Octal buffer/line driver w/ 3-state outputs	250835CJ	SN74HCT244N	~~$.40~~ .34	.29	.22
74HCT244	TSSOP-20	Octal buffer/line driver w/ 3-state outputs	381261CJ	SN74HCT244PW	.28	.237	.202
74HCT245	SOIC-20	Octal bus transceiver w/ 3-state outputs	246334CJ	SN74HCT245DW	~~$.34~~ .25	.21	.16
74HCT245	DIP-20	Octal bus transceiver w/ 3-state outputs	250843CJ	SN74HCT245N	.37	.319	.276
74HCT245	TSSOP-20	Octal bus transceiver w/ 3-state outputs	381288CJ	SN74HCT245PW	.28	.237	.202
74HCT273	SOIC-20	Octal D-type flip-flop with clear	246326CJ	SN74HCT273DW	~~$.41~~ .28	.24	.18
74HCT273	DIP-20	Octal D-type flip-flop with clear	250851CJ	SN74HCT273N	.32	.28	.267
74HCT273	TSSOP-20	Octal D-type flip-flop with clear	381309CJ	SN74HCT273PW	.28	.237	.202
74HCT373	SOIC-20	Octal transparent D-type latches w/ 3-state outputs	246140CJ	SN74HCT373DW	~~$.34~~ .25	.21	.16
74HCT373	DIP-20	Octal transparent D-type latches w/ 3-state outputs	250878CJ	SN74HCT373N	~~$.43~~ .37	.31	.232
74HCT373	TSSOP-20	Octal transparent D-type latches w/ 3-state outputs					
74HCT374	SOIC-20	Octal D-type flip-flop edge-trig. w/ 3-st. outputs	246166CJ	SN74HCT374DW	~~$.34~~ .28	.24	.18
74HCT374	DIP-20	Octal D-type flip-flop edge-trig. w/ 3-st. outputs	250894CJ	SN74HCT374N	.26	.218	.21
74HCT374	TSSOP-20	Octal D-type flip-flop edge-trig. w/ 3-st. outputs	381368CJ	SN74HCT374PW	.28	.237	.202
74HCT393	DIP-14	Dual 4-stage binary counter	250907CJ	CD74HCT393E	.47	.355	.27
74HCT540	SOIC-20	Octal buffer/line driver w/ 3-state outputs	246182CJ	SN74HCT540DW	~~$.47~~ .29	.25	.225
74HCT540	DIP-20	Octal buffer/line driver w/ 3-state outputs	250915CJ	SN74HCT540N	.50	.38	.294
74HCT540	TSSOP-20	Octal buffer/line driver w/ 3-state outputs					
74HCT541	SOIC-20	Octal buffer/line driver w/ 3-state NOR gate enabled	246203CJ	SN74HCT541DW	.32	.282	.248
74HCT541	DIP-20	Octal buffer/line driver w/ 3-state NOR gate enabled	250923CJ	SN74HCT541N	~~$.45~~ .25	.21	.16
74HCT541	TSSOP-20	Octal buffer/line driver w/ 3-state NOR gate enabled	381413CJ	SN74HCT541PW	.29	.246	.221
74HCT573	SOIC-20	Octal transparent D-type latches w/ 3-state outputs	246211CJ	SN74HCT573DW	~~$.43~~ .29	.25	.235
74HCT573	DIP-20	Octal transparent D-type latches w/ 3-state outputs	250931CJ	SN74HCT573N	.38	.33	.25
74HCT573	TSSOP-20	Octal transparent D-type latches w/ 3-state outputs					
74HCT574	SOIC-20	Octal D-type F/F w/ 3-st. outputs flow thru	246246CJ	SN74HCT574DW	~~$.38~~ .27	.23	.173
74HCT574	DIP-20	Octal D-type F/F w/ 3-st. outputs flow thru	250940CJ	SN74HCT574N	.43	.33	.25
74HCT574	TSSOP-20	Octal D-type F/F w/ 3-st. outputs flow thru					
74HCT688	DIP-20	8-bit magnitude comparator	250958CJ	CD74HCT688E	.64	.52	.41

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Part No.	Cross Ref.	1	10	100
246123CJ	74HCT32M	✳	$.125	$.094
45057CJ	74HCT32N	✳	.158	.143
381333CJ	74HCT32T	✳	.125	.109
246254CJ	74HCT74M	✳	.141	.106
45137CJ	74HCT74N	.26	.224	.202
381481CJ	74HCT74T	✳	.141	.126
268429CJ	74HCT86M	.33	.29	.20
45145CJ	74HCT86N	.28	.22	.165
271960CJ	74HCT123M	.29	.26	.23
88049CJ	74HCT123N	.30	.274	.227
271994CJ	74HCT125M	~~$.33~~ .30	.27	.207
243192CJ	74HCT125N	.26	.216	.185
246051CJ	74HCT138M	~~$.27~~ .22	.19	.132
44927CJ	74HCT138N	.33	.282	.26
381211CJ	74HCT138T	.24	.199	.176
246271CJ	74HCT139M	.25	.21	.16
63773CJ	74HCT139N	.30	.266	.218
88057CJ	74HCT154N	1.05	.89	.67
246297CJ	74HCT157M	.41	.35	.26
272196CJ	74HCT157N	.31	.26	.20
253024CJ	74HCT164M	.30	.26	.19
44978CJ	74HCT164N	.39	.324	.249
246086CJ	74HCT240WM	~~$.31~~ .25	.21	.16
45014CJ	74HCT240N	.32	.27	.20
381245CJ	74HCT240T	.28	.237	.202
246094CJ	74HCT244WM	~~$.39~~ .25	.21	.16
45022CJ	74HCT244N	~~$.36~~ .31	.26	.20
381270CJ	74HCT244T	.25	.216	.185
246107CJ	74HCT245WM	~~$.31~~ .23	.20	.15
45031CJ	74HCT245N	~~$.37~~ .34	.29	.22
381296CJ	74HCT245T	.25	.216	.185
246115CJ	74HCT273WM	~~$.38~~ .25	.21	.16
45049CJ	74HCT273N	.29	.257	.213
381317CJ	74HCT273T	.25	.216	.185
246131CJ	74HCT373WM	~~$.31~~ .23	.20	.15
45065CJ	74HCT373N	.37	.31	.24
381350CJ	74HCT373T	.25	.216	.185
246158CJ	74HCT374WM	~~$.31~~ .25	.21	.16
45073CJ	74HCT374N	.24	.216	.193
381376CJ	74HCT374T	.25	.216	.185
243205CJ	74HCT393N	.43	.324	.244
246174CJ	74HCT540WM	~~$.43~~ .26	.22	.21
109778CJ	74HCT540N	.46	.349	.269
381405CJ	74HCT540T	.26	.224	.202
246191CJ	74HCT541WM	.30	.257	.227
99303CJ	74HCT541N	~~$.41~~ .25	.21	.16
381421CJ	74HCT541T	.26	.224	.202
246220CJ	74HCT573WM	~~$.39~~ .26	.22	.20
45090CJ	74HCT573N	.35	.30	.23
381448CJ	74HCT573T	.26	.224	.202
246238CJ	74HCT574WM	~~$.34~~ .25	.21	.169
45102CJ	74HCT574N	.39	.30	.23
381456CJ	74HCT574T	.26	.224	.202
45129CJ	74HCT688N	.58	.49	.37

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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Color Code Legend: New Sale Lower$ QtySave

Standard Logic (Continued)

Color Code Legend: New | Sale | Lower$ | QtySave

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74FXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
F	DIP	SN74FXXXN	74FXXXN	74FXXXPC	N74FXXXN
	SOIC	SN74FXXXD/DW	74FXXXD	74FXXXSC	N74FXXXD

74F Series – General purpose family of high speed advanced bipolar logic

DIP  SOIC 

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TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74F00	SOIC-14	Quad 2-input NAND gates	282845CJ	SN74F00D	$.21	$.16	$.143
74F00	DIP-14	Quad 2-input NAND gates	281471CJ	SN74F00N	.21	.16	.14
74F02	SOIC-14	Quad 2-input NOR gates	282888CJ	SN74F02D	.24	.21	.17
74F02	DIP-14	Quad 2-input NOR gates	281480CJ	SN74F02N	.29	.24	.19
74F04	SOIC-14	Hex inverters	283071CJ	SN74F04D	.26	.23	.19
74F04	DIP-14	Hex inverters	281498CJ	SN74F04N	.24	.18	.15
74F08	SOIC-14	Quad 2-input AND gates	283080CJ	SN74F08D	.22	.18	.16
74F08	DIP-14	Quad 2-input AND gates	281501CJ	SN74F08N	.22	.18	.16
74F14	SOIC-14	Hex inverters w/ Schmitt trigger					
74F14	DIP-14	Hex inverters w/ Schmitt trigger					
74F20	DIP-14	Dual 4-input NAND gates	281527CJ	SN74F20N	.23	.20	.17
74F30	DIP-14	8-input NAND gate	281535CJ	SN74F30N	.47	.40	.285
74F32	SOIC-14	Quad 2-input OR gates	283098CJ	SN74F32D	.27	.24	.20
74F32	DIP-14	Quad 2-input OR gates	281543CJ	SN74F32N	.36	.30	.22
74F38	SOIC-14	Quad 2-input NAND buffers	283119CJ	SN74F38D	.22	.155	.138
74F38	DIP-14	Quad 2-input NAND buffers	281893CJ	SN74F38N	.25	.22	.20
74F74	SOIC-14	Quad 2-input NAND buffers w/ open coll. outputs	283135CJ	SN74F74D	.30	.264	.202
74F74	DIP-14	D-type flip-flop w/ clear	281906CJ	SN74F74N	.44	.36	.247
74F86	SOIC-14	Quad 2-input exclusive-OR gates	283143CJ	SN74F86D	.31	.264	.202
74F86	DIP-14	Quad 2-input exclusive-OR gates	281914CJ	SN74F86N	.36	.30	.21
74F125	SOIC-14	Quad bus buffer gates w/ 3-state outputs	283151CJ	SN74F125D	.37	.30	.23
74F125	DIP-14	Quad bus buffer gates w/ 3-state outputs	281922CJ	SN74F125N	.40	.35	.28
74F132	SOIC-14	Quad 2-input NAND Schmitt triggers					
74F138	SOIC-16	3 to 8 decoder/demultiplexer	283186CJ	SN74F138D	.34	.27	.25
74F138	DIP-16	3 to 8 decoder/demultiplexer	281931CJ	SN74F138N	.42	.34	.26
74F139	DIP-16	1 of 4 decoder/demultiplexer					
74F148	SOIC-16	8 to 3 line priority encoder					
74F148	DIP-16	8 to 3 line priority encoder					
74F157	SOIC-16	2 to 1 data selector/multiplexers	283207CJ	SN74F157AD	.37	.30	.28
74F157	DIP-16	2 to 1 data selector/multiplexers	281949CJ	SN74F157AN	.42	.34	.26
74F161	SOIC-16	Sync. 4-bit binary counter	283469CJ	SN74F161AD	.45	.34	.26
74F161	DIP-16	Sync. 4-bit binary counter	281957CJ	SN74F161AN	.42	.33	.30
74F163	DIP-16	Sync. 4-bit presettable binary counter	281965CJ	SN74F163AN	.55	.446	.377
74F164	DIP-14	Shift register					
74F169	SOIC-16	4-bit up/down binary counter	283485CJ	SN74F169D	2.19	2.09	2.00
74F169	DIP-16	4-bit up/down binary counter	281973CJ	SN74F169N	.96	.87	.74
74F174	DIP-16	Hex D-type flip-flop w/ clear	282693CJ	SN74F174N	.34	.27	.25
74F240	SOIC-20	Octal invert. buffer/driver with 3-state	283506CJ	SN74F240DW	.43	.328	.248
74F240	DIP-20	Octal invert. buffer/driver with 3-state	281981CJ	SN74F240N	.45	.34	.26
74F244	SOIC-20	Octal buffer/driver with 3-state outputs	283514CJ	SN74F244DW	.52	.46	.36
74F244	DIP-20	Octal buffer/driver with 3-state outputs	281990CJ	SN74F244N	.45	.34	.26
74F245	SOIC-20	Octal bus transceiver with 3-state outputs	283549CJ	SN74F245DW	.45	.34	.26
74F245	DIP-20	Octal bus transceiver with 3-state outputs	282001CJ	SN74F245N	.45	.34	.26
74F257	SOIC-16	Quad 2 to 1 data selector/multi w/ 3-st. outputs	283565CJ	SN74F257D	.43	.34	.26

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✳ Prepackaged: order in increments of 10 or 100

Part No.	Cross Ref.	1	10	100
287697CJ	74F00D	✳	$.141	$.119
286985CJ	74F00N	✳	.141	.126
287689CJ	74F02D	.21	.183	.148
286993CJ	74F02N	.25	.216	.151
287671CJ	74F04D	.23	.199	.168
287005CJ	74F04N	.21	.158	.119
287662CJ	74F08D	.20	.158	.143
287013CJ	74F08N	.20	.158	.129
287654CJ	74F14D	.22	.191	.176
287021CJ	74F14N	.22	.191	.159
287030CJ	74F20N	.21	.174	.149
245121CJ	74F30N	.41	.349	.252
287638CJ	74F32D	.24	.208	.176
287048CJ	74F32N	.20	.183	.16
283127CJ	74F38D	.20	.141	.126
245139CJ	74F38N	.22	.191	.176
287620CJ	74F74D	.27	.241	.171
287056CJ	74F74N	.39	.315	.199
287611CJ	74F86D	.28	.241	.185
287064CJ	74F86N	.32	.266	.185
283160CJ	74F125D	.33	.266	.202
245147CJ	74F125N	.35	.307	.244
283178CJ	74F132D	.32	.257	.235
287566CJ	74F138D	.30	.241	.218
287072CJ	74F138N	.37	.299	.227
287081CJ	74F139N	.26	.216	.189
283194CJ	74F148D	.36	.315	.244
245163CJ	74F148N	.27	.241	.202
283215CJ	74F157AD	.33	.266	.244
245171CJ	74F157AN	.37	.299	.227
283477CJ	74F161AD	.39	.299	.227
245180CJ	74F161AN	.37	.291	.26
245198CJ	74F163AN	.50	.407	.34
245201CJ	74F164AN	.40	.299	.269
283493CJ	74F169D	.68	.56	.52
245219CJ	74F169N	.88	.80	.67
282731CJ	74F174N	.30	.241	.218
287558CJ	74F240D	.39	.299	.227
245227CJ	74F240N	.39	.299	.227
287540CJ	74F244D	.46	.407	.319
287110CJ	74F244N	.39	.299	.198
287531CJ	74F245D	.39	.299	.227
287144CJ	74F245N	.53	.402	.302
283557CJ	74F257D	.38	.299	.227

† **Note:** Fairchild now owns National Semi logic; and Philips now owns Signetics.

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IC Test Clip Series



- For temporary connections to DIP package components
- Heavy-duty spring loaded hinge provides positive contact
- 20 AWG insulated gold contacts • Color: white

22103CJ

Part No.	Cross Ref.	Description	1	10	25
22103CJ	JTC16	16-pin (for 8, 14 and 16-pin ICs)	$6.95	$6.25	$5.59
22120CJ	JTC20	20-pin (for 18 and 20-pin ICs)	8.95	6.50	5.35
22162CJ	JTC28	28-pin (for 24 and 28-pin ICs)	10.95	9.95	8.95
22189CJ	JTC40	40-pin (for 32 and 40-pin ICs)	11.95	11.35	10.75

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74F Series (Continued) – General purpose family of high speed advanced bipolar logic

DIP SOIC

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74F257	DIP-16	Quad 2 to 1 data selector/multi w/ 3 -st. outputs	282044CJ	SN74F257N	$.34	$.28	$.26
74F273	DIP-20	Octal D-type flip-flop					
74F299	DIP-20	8-bit shift/storage register w/ 3-state outputs	282052CJ	SN74F299N	1.25	1.00	.76
74F373	SOIC-20	Octal transparent D-type latch w/ 3-state outputs	283590CJ	SN74F373DW	.44	.355	.267
74F373	DIP-20	Octal transparent D-type latch w/ 3-state outputs	282079CJ	SN74F373N	.60	.46	.35
74F374	SOIC-20	Octal edge trig. D-type flip-flop with 3-st. outputs	283602CJ	SN74F374DW	.43	.33	.25
74F374	DIP-20	Octal edge trig. D-type flip-flop with 3-st. outputs	282600CJ	SN74F374N	.40	.31	.257
74F521	SOIC-20	8-bit identity comparator	283670CJ	SN74F521DW	.50	.382	.294
74F521	DIP-20	8-bit identity comparator	282802CJ	SN74F521N	.78	.66	.53
74F541	SOIC-20	Octal buffer/driver with 3-state outputs	304961CJ	SN74F541DW	.72	.55	.41
74F541	DIP-20	Octal buffer/driver with 3-state outputs	282765CJ	SN74F541N	.74	.56	.43
74F543	SOIC-24	Octal reg. Transceiver w/ 3-state outputs	283611CJ	SN74F543DW	.95	.80	.62
74F543	DIP-24	Octal reg. Transceiver w/ 3-state outputs					
74F573	SOIC-20	Octal reg. Latch w/ 3-state outputs	283637CJ	SN74F573DW	.43	.328	.248
74F573	DIP-20	Octal reg. Latch w/ 3-state outputs	282642CJ	SN74F573N	.43	.328	.248
74F574	SOIC-20	D-type flip-flop with 3-state outputs	283645CJ	SN74F574DW	.43	.328	.304
74F574	DIP-20	D-type flip-flop with 3-state outputs	282669CJ	SN74F574N	.58	.437	.331
74F579	DIP-20	8-bit bidirectional counter					

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Part No.	Cross Ref.	1	10	100
245235CJ	74F257N	$.30	$.249	$.244
287099CJ	74F273N	.48	.415	.319
281463CJ	74F299N	1.15	.93	.71
287494CJ	74F373D	.40	.324	.244
287161CJ	74F373N	.45	.398	.302
287486CJ	74F374D	.39	.299	.227
287187CJ	74F374N	.35	.274	.23
283696CJ	74F521D	.46	.349	.269
282811CJ	74F521N	.69	.58	.47
283653CJ	74F541D	.66	.498	.378
282773CJ	74F541N	.66	.498	.378
283629CJ	74F543D	.86	.73	.59
245251CJ	74F543N	.83	.70	.56
287478CJ	74F573D	.39	.299	.198
287195CJ	74F573N	.39	.299	.199
287460CJ	74F574D	.39	.299	.198
287216CJ	74F574N	.53	.398	.302
245260CJ	74F579N	2.35	1.89	1.49

† **Note:** Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

74LSXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	RENESAS
LS	DIP	SN74LSXXXN	74HC(T)XXXN	DM74LSXXXN	SN74LSXXXN	HD74LSXXXP
	SOIC	SN74LSXXXD/DW	74HC(T)XXXM	DM74LSXXXM/WM	SN74LSXXXD/DW	—

74LS Series – Low Power Schottky Logic

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74LS00	SOIC-14	Quad 2-input NAND gate	308582CJ	SN74LS00D	✳	$.171	$.118
74LS00	DIP-14	Quad 2-input NAND gate	283725CJ	SN74LS00N	.45	.364	.276
74LS02	SOIC-14	Quad 2-input NOR gate	308603CJ	SN74LS02D	.45	.364	.276
74LS02	DIP-14	Quad 2-input NOR gate	283741CJ	SN74LS02N	.43	.328	.248
74LS03	DIP-14	Quad 2-input NAND gate (O.C.)	283784CJ	SN74LS03N	.45	.364	.276
74LS04	SOIC-14	Hex inverter	308611CJ	SN74LS04D	.45	.364	.276
74LS04	DIP-14	Hex inverter	283792CJ	SN74LS04N	.45	.364	.276
74LS05	SOIC-14	Hex inverter (O.C.)	308620CJ	SN74LS05D	.45	.364	.276
74LS05	DIP-14	Hex inverter (O.C.)	283805CJ	SN74LS05N	.45	.364	.276
74LS06	SOIC-14	Hex inverter buffer/driver (O.C.)	309067CJ	SN74LS06D	.70	.59	.478
74LS06	DIP-14	Hex inverter buffer/driver (O.C.)	295304CJ	SN74LS06N	.70	.59	.478
74LS07	SOIC-14	Hex buffer/driver (O.C. hi-voltage)	308638CJ	SN74LS07D	.70	.57	.478
74LS07	DIP-14	Hex buffer/driver (O.C. hi-voltage)	295312CJ	SN74LS07N	.60	.58	.46
74LS08	SOIC-14	Quad 2-input AND gate	308654CJ	SN74LS08D	.45	.364	.276
74LS08	DIP-14	Quad 2-input AND gate	295401CJ	SN74LS08N	.45	.364	.276
74LS09	SOIC-14	Quad 2-input AND gate (O.C.)	309083CJ	SN74LS09D	.45	.364	.276
74LS09	DIP-14	Quad 2-input AND gate (O.C.)	295419CJ	SN74LS09N	.56	.428	.322
74LS10	SOIC-14	Triple 3-input NAND gate					
74LS10	DIP-14	Triple 3-input NAND gate	295427CJ	SN74LS10N	.45	.364	.276
74LS11	SOIC-14	Triple 3-input AND gate					
74LS11	DIP-14	Triple 3-input AND gate	295443CJ	SN74LS11N	.45	.364	.275
74LS14	SOIC-14	Hex inverter Schmitt trigger	308849CJ	SN74LS14D	.41	.327	.248
74LS14	DIP-14	Hex inverter Schmitt trigger	295460CJ	SN74LS14N	.41	.328	.248

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✳ **Prepackaged: order in increments of 10 or 100**

Part No.	Cross Ref.	1	10	100
198361CJ	74LS00M	✳	$.158	$.109
46252CJ	74LS00N**	.41	.27	.24
198379CJ	74LS02M	.27	.23	.17
46287CJ	74LS02N**	.41	.25	.21
46308CJ	74LS03N	.41	.33	.25
198387CJ	74LS04M	.41	.29	.21
46316CJ	74LS04N**	.41	.26	.23
198395CJ	74LS05M	.41	.33	.252
46341CJ	74LS05N*	.41	.332	.252
309075CJ	74LS06M	.64	.54	.437
46359CJ	74LS06N	.64	.54	.437
198408CJ	74LS07M	.64	.54	.41
46367CJ	74LS07N	.55	.49	.42
198416CJ	74LS08M	.41	.33	.25
46375CJ	74LS08N**	.36	.31	.22
309091CJ	74LS09M	.41	.332	.252
46391CJ	74LS09N	.51	.388	.294
198424CJ	74LS10M	.41	.332	.252
46404CJ	74LS10N*	.38	.25	.188
198432CJ	74LS11M	.36	.263	.197
46439CJ	74LS11N*	.41	.35	.26
198441CJ	74LS14M	.37	.299	.227
46640CJ	74LS14N*	.37	.299	.227

† **Note:** Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

***10 pcs. in 74LS series IC cabinet kit, pg 32** ****20 pcs. in 74LS series IC cabinet kit, pg 32**

Color Code Legend: New Sale Lower$ QtySave

Standard Logic (Continued)

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74LS Series (Continued) – Low Power Schottky Logic

DIP  SOIC 

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Texas Instruments – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74LS20	SOIC-14	Dual 4-input NAND gate					
74LS20	DIP-14	Dual 4-input NAND gate	295478CJ	SN74LS20N	$.31	$.209	$.202
74LS21	DIP-14	Dual 4-input AND gate	295486CJ	SN74LS21N	.27	.237	.202
74LS27	DIP-14	Triple 3-input NOR gate	295494CJ	SN74LS27N	.45	.364	.276
74LS30	SOIC-14	8-input NAND gate					
74LS30	DIP-14	8-input NAND gate	295507CJ	SN74LS30N	.45	.364	.276
74LS32	SOIC-14	Quad 2-input OR gate	308873CJ	SN74LS32D	.45	.364	.276
74LS32	DIP-14	Quad 2-input OR gate	295515CJ	SN74LS32N	.31	.28	.248
74LS37	DIP-14	Quad 2-input NAND gate buffer	295558CJ	SN74LS37N	.59	.482	.442
74LS38	DIP-14	Quad 2-input NAND gate buffer (O.C.)	295566CJ	SN74LS38N	.36	.246	.239
74LS42	DIP-16	BCD-to-decimal decoder/driver	295574CJ	SN74LS42N	1.29	.92	.83
74LS47	DIP-16	BCD to 7-seg. decoder/driver (O.C.)	295582CJ	SN74LS47N	.77	.58	.539
74LS48	DIP-16	BCD to 7-seg. decoder/driver					
74LS73	DIP-14	Dual JK flip-flop with clear, center VCC/GND	295700CJ	SN74LS73AN	1.09	.96	.77
74LS74	SOIC-14	Dual D flip-flop	308881CJ	SN74LS74AD	.45	.364	.276
74LS74	DIP-14	Dual D flip-flop	295726CJ	SN74LS74AN	.45	.364	.276
74LS75	SOIC-16	4-bit bi-stable latch					
74LS75	DIP-16	4-bit bi-stable latch	295734CJ	SN74LS75N	.95	.89	.82
74LS76	DIP-16	Dual JK flip-flop with preset and clear					
74LS83	DIP-16	4-bit binary full adder					
74LS85	SOIC-16	4-bit magnitude comparator	308902CJ	SN74LS85D	.68	.52	.394
74LS85	DIP-16	4-bit magnitude comparator	295742CJ	SN74LS85N	.46	.419	.363
74LS86	SOIC-14	Quad Exclusive-OR gate	308911CJ	SN74LS86AD	.45	.364	.276
74LS86	DIP-14	Quad Exclusive-OR gate	295751CJ	SN74LS86AN	.38	.324	.238
74LS90	SOIC-14	Decade counter					
74LS90	DIP-14	Decade counter	295769CJ	SN74LS90N	.53	.486	.421
74LS92	DIP-14	Divide-by-12 counter	295814CJ	SN74LS92N	1.15	.98	.74
74LS93	SOIC-14	4-bit binary counter					
74LS93	DIP-14	4-bit binary counter	295822CJ	SN74LS93N	.95	.85	.76
74LS95	DIP-14	4-bit parallel-access shift register					
74LS107	DIP-14	Dual JK flip-flop with clear	295865CJ	SN74LS107AN	.79	.72	.66
74LS109	SOIC-16	Dual JK pos. edge-trig. flip-flop	309104CJ	SN74LS109AD	.65	.491	.373
74LS109	DIP-16	Dual JK pos. edge-trig. flip-flop	295873CJ	SN74LS109AN	.65	.64	.497
74LS112	DIP-16	Dual JK neg. edge-trig. flip-flop	300855CJ	SN74LS112AN	.43	.328	.248
74LS122	DIP-14	Retrig. mono. multivibrator comm. CLK	300863CJ	SN74LS122N	.50	.382	.289
74LS123	SOIC-16	Dual mono. multivibrator with clear	308937CJ	SN74LS123D	.50	.382	.29
74LS123	DIP-16	Dual mono. multivibrator with clear	300880CJ	SN74LS123N	.50	.382	.289
74LS125	SOIC-14	Quad 3-state buffer	308945CJ	SN74LS125AD	.50	.382	.29
74LS125	DIP-14	Quad bus buffer neg. enable tri-state	300901CJ	SN74LS125AN	.36	.309	.285
74LS126	SOIC-14	Quad bus buffer tri-state	309121CJ	SN74LS126AD	.50	.382	.29
74LS126	DIP-14	Quad bus buffer tri-state	300927CJ	SN74LS126AN	.50	.382	.289
74LS132	DIP-14	Quad 2-input NAND Schmitt trigger	300935CJ	SN74LS132N	.54	.41	.311
74LS136	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)	301225CJ	SN74LS136N	.58	.437	.331
74LS138	SOIC-16	3 to 8 decoder/demultiplexer	308953CJ	SN74LS138D	.50	.382	.29
74LS138	DIP-16	3 to 8 decoder/demultiplexer	301233CJ	SN74LS138N	.50	.382	.29
74LS139	SOIC-16	2 to 4 decoder/demultiplexer	309147CJ	SN74LS139AD	.41	.328	.294
74LS139	DIP-16	2 to 4 decoder/demultiplexer	301268CJ	SN74LS139AN	.50	.421	.313
74LS145	SOIC-16	BCD-to-decimal decoder/driver (O.C.)	309163CJ	SN74LS145D	.37	.319	.294
74LS145	DIP-16	BCD-to-decimal decoder/driver (O.C.)	301276CJ	SN74LS145N	.79	.60	.46
74LS148	DIP-16	8 to 3 priority encoder	301330CJ	SN74LS148N	.85	.73	.59
74LS151	SOIC-16	8-input multiplexer					
74LS151	DIP-16	8-input multiplexer	301348CJ	SN74LS151N	.50	.382	.29
74LS153	DIP-16	Dual 4-to-1 selector/multiplexer	301532CJ	SN74LS153N	.45	.396	.263
74LS154	DIP-24	4 to 16 line decoder/demultiplexer					
74LS155	DIP-16	Dual 2/4 demultiplexer	301559CJ	SN74LS155AN	.81	.60	.55
74LS156	DIP-16	Dual 2/4 demultiplexer (O.C.)	301591CJ	SN74LS156N	.39	.309	.29
74LS157	SOIC-16	Quad 2/1 data selector	308970CJ	SN74LS157D	.33	.282	.258
74LS157	DIP-16	Quad 2/1 data selector	301612CJ	SN74LS157N	.50	.382	.29
74LS160	DIP-16	Decade counter with asynch. clear					

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Part No.	Cross Ref.	1	10	100
198459CJ	74LS20M	$.51	$.44	$.32
47095CJ	74LS20N*	.28	.191	.185
47108CJ	74LS21N	.25	.21	.16
47378CJ	74LS27N	.41	.31	.233
198467CJ	74LS30M	.24	.22	.20
47458CJ	74LS30N*	.41	.332	.252
198475CJ	74LS32M	.41	.332	.252
47466CJ	74LS32N**	.29	.26	.23
47597CJ	74LS37N	.54	.46	.34
47693CJ	74LS38N	.33	.224	.202
47773CJ	74LS42N	.76	.65	.54
47790CJ	74LS47N*	.72	.52	.45
47811CJ	74LS48N	4.99	4.24	3.18
47992CJ	74LS73N*	.37	.338	.238
198491CJ	74LS74M	.41	.332	.252
48004CJ	74LS74N**	.36	.25	.22
198504CJ	74LS75M	.68	.57	.41
48021CJ	74LS75N*	.86	.73	.55
48039CJ	74LS76N	.69	.62	.55
48063CJ	74LS83N	1.49	1.35	1.19
198512CJ	74LS85M	.62	.437	.36
48071CJ	74LS85N*	.42	.382	.345
198521CJ	74LS86M	.41	.33	.25
48098CJ	74LS86N*	.35	.30	.22
198539CJ	74LS90M	.70	.52	.383
48119CJ	74LS90N*	.49	.45	.39
48143CJ	74LS92N	.99	.76	.63
198547CJ	74LS93M	.56	.476	.357
48151CJ	74LS93N*	.89	.79	.70
48178CJ	74LS95N	1.05	.91	.79
46412CJ	74LS107N	.72	.51	.36
309112CJ	74LS109M	.59	.448	.34
46421CJ	74LS109N	.57	.48	.35
46447CJ	74LS112N	.39	.299	.227
46471CJ	74LS122N	.46	.35	.27
198555CJ	74LS123M	.46	.35	.27
46480CJ	74LS123N*	.45	.35	.27
243168CJ	74LS125AM	.46	.349	.265
46501CJ	74LS125N*	.33	.282	.26
309139CJ	74LS126AM	.46	.349	.265
46527CJ	74LS126N	.37	.345	.253
46551CJ	74LS132N	.49	.369	.298
46586CJ	74LS136N	.53	.40	.30
198563CJ	74LS138M	.46	.349	.269
46607CJ	74LS138N**	.45	.35	.26
309155CJ	74LS139AM	.37	.299	.265
46623CJ	74LS139N*	.46	.35	.20
309171CJ	74LS145M	.34	.291	.269
46666CJ	74LS145N	.73	.55	.423
46682CJ	74LS148N	.79	.68	.55
198571CJ	74LS151M	.31	.26	.20
46703CJ	74LS151N*	.45	.349	.269
46720CJ	74LS153N	.41	.35	.26
46738CJ	74LS154N	5.15	4.59	3.69
46754CJ	74LS155N*	.74	.63	.47
46762CJ	74LS156N	.35	.282	.212
198580CJ	74LS157M	.30	.26	.19
46771CJ	74LS157N*	.45	.40	.33
46800CJ	74LS160N	2.49	2.39	2.29

† **Note:** Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

*10 pcs. in 74LS series IC cabinet kit, pg 32 **20 pcs. in 74LSseries IC cabinet kit, pg 32

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74LS161	DIP-16	Synch 4-bit counter	301647CJ	SN74LS161AN	$.50	$.382	$.29
74LS163	DIP-16	Fully synch. 4-bit counter	301663CJ	SN74LS163AN	.50	.382	.29
74LS164	SOIC-14	8-bit serial shift register	309180CJ	SN74LS164D	.50	.414	.373
74LS164	DIP-14	8-bit serial shift register	301671CJ	SN74LS164N	.47	.382	.29
74LS165	DIP-16	8-bit serial shift register, parallel load	301680CJ	SN74LS165AN	.45	.364	.275
74LS166	DIP-16	8-bit shift register, parallel load	301727CJ	SN74LS166AN	.79	.60	.455
74LS169	DIP-16	Synch. binary up/down counter	301735CJ	SN74LS169BN	.65	.491	.373
74LS173	DIP-16	4-bit D-type reg. tri-state	301743CJ	SN74LS173AN	.91	.90	.89
74LS174	DIP-16	Hex D flip-flop with clear	301760CJ	SN74LS174N	.49	.328	.29
74LS175	DIP-16	Quad D flip-flop with clear	301778CJ	SN74LS175N	.29	.246	.23
74LS181	DIP-24	Arithmetic logic unit/function generator	301786CJ	SN74LS181N	4.19	3.54	2.56
74LS190	DIP-16	Synchronous up/down counter					
74LS191	DIP-16	Up/down binary counter	301815CJ	SN74LS191N	.58	.482	.455
74LS192	DIP-16	Decade up/down counter with clear					
74LS193	SOIC-16	Binary up/down counter with clear					
74LS193	DIP-16	Binary up/down counter with clear	301831CJ	SN74LS193N	.64	.53	.486
74LS194	DIP-16	4-bit bi-directional shift register	301858CJ	SN74LS194AN	.81	.68	.55
74LS195	DIP-16	4-bit parallel-access shift register					
74LS221	SOIC-16	Dual monostable multivibrator	308988CJ	SN74LS221D	.79	.65	.59
74LS221	DIP-16	Dual mono. multivibrator Schmitt trigger	308283CJ	SN74LS221N	.36	.29	.276
74LS240	SOIC-20	Octal invert. line driver tri-state	309008CJ	SN74LS240DW	.58	.437	.331
74LS240	DIP-20	Octal invert. line driver tri-state	308291CJ	SN74LS240N	.37	.328	.313
74LS241	DIP-20	Octal bus/line driver tri-state	308304CJ	SN74LS241N	.40	.328	.304
74LS244	SOIC-20	Octal driver tri-state	309016CJ	SN74LS244DW	.58	.437	.331
74LS244	DIP-20	Octal driver tri-state	308312CJ	SN74LS244N	.48	.40	.331
74LS245	SOIC-20	Octal bus transceiver tri-state	309024CJ	SN74LS245DW	.43	.328	.248
74LS245	DIP-20	Octal bus transceiver tri-state	308321CJ	SN74LS245N	.58	.437	.378
74LS247	DIP-16	BCD to 7-segment decoder/driver (O.C.)	308347CJ	SN74LS247N	1.05	.87	.70
74LS251	DIP-16	8-channel multiplexer tri-state	308355CJ	SN74LS251N	.59	.437	.351
74LS257	DIP-16	Quad 2-input multiplexer tri-state	308363CJ	SN74LS257BN	.61	.464	.352
74LS259	DIP-16	8-bit addressable latch	308371CJ	SN74LS259BN	.51	.391	.359
74LS266	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.)	308380CJ	SN74LS266N	.72	.60	.54
74LS273	SOIC-20	Octal D-type flip-flop with clear	309032CJ	SN74LS273DW	.58	.437	.331
74LS273	DIP-20	Octal D-type flip-flop with clear	308398CJ	SN74LS273N	.58	.437	.331
74LS279	DIP-16	Quad set-reset latches	308401CJ	SN74LS279AN	.55	.428	.368
74LS283	DIP-16	4-bit binary full add with fast carry	308435CJ	SN74LS283N	.44	.428	.405
74LS299	DIP-20	8-bit universal shift/storage register	308427CJ	SN74LS299N	.90	.83	.465
74LS365	DIP-16	Hex buffer with logical OR tri-state	308443CJ	SN74LS365AN	.86	.73	.59
74LS367	DIP-16	Hex buffer tri-state	308451CJ	SN74LS367AN	.47	.382	.35
74LS368	DIP-16	Hex bus driver w/ tri-state	309278CJ	SN74ALS368AN	.42	.364	.34
74LS373	SOIC-20	Octal D flip-flop tri-state	309041CJ	SN74LS373DW	.43	.328	.248
74LS373	DIP-20	Octal D flip-flop tri-state	308460CJ	SN74LS373N	.49	.421	.378
74LS374	SOIC-20	Octal D F/F edge-trig tri-state	309059CJ	SN74LS374DW	.58	.437	.331
74LS374	DIP-20	Octal D F/F edge-trig tri-state	308478CJ	SN74LS374N	.49	.421	.367
74LS377	DIP-20	Octal D register common enable	308486CJ	SN74LS377N	.81	.68	.55
74LS390	DIP-16	Dual 4-bit decade counter	308494CJ	SN74LS390N	.77	.64	.53
74LS393	SOIC-16	Dual 4-bit binary counter					
74LS393	DIP-14	Dual 4-bit binary counter	308507CJ	SN74LS393N	.57	.455	.432
74LS423	DIP-14	Retrig monostable multivibrator	309294CJ	SN74LS423N	1.05	.87	.76
74LS540	DIP-20	Octal invert. buffer/line driver tri-state	308515CJ	SN74LS540N	.76	.64	.515
74LS541	SOIC-20	Octal buffer/line driver tri-state	309227CJ	SN74LS541DW	.60	.455	.414
74LS541	DIP-20	Octal buffer/line driver tri-state	308523CJ	SN74LS541N	.50	.41	.368
74LS573	DIP-20	Octal D-type F/F latch tri-state					
74LS574	DIP-20	Octal D-type F/F edge-trig. tri-state					
74LS590	DIP-16	8-bit binary counter w/o reg. tri-state	308531CJ	SN74LS590N	4.99	4.05	3.65
74LS595	DIP-16	8-bit serial-to-parallel shift reg. tri-state	308540CJ	SN74LS595N	4.99	4.05	3.65
74LS645	DIP-20	Octal bus transceiver tri-state (O.C.)	308558CJ	SN74LS645-1N	1.79	1.44	1.10
74LS682	DIP-20	8-bit magnitude comparator	309251CJ	SN74LS682N	1.19	.956	.73
74LS688	DIP-20	8-bit magnitude comparator	308574CJ	SN74LS688N	.87	.83	.76

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Part No.	Cross Ref.	1	10	100
46818CJ	74LS161N	$.46	$.349	$.265
46842CJ	74LS163N	.46	.349	.265
309198CJ	74LS164M	.46	.349	.265
46851CJ	74LS164N	.43	.36	.27
46877CJ	74LS165N	.45	.33	.193
46885CJ	74LS166N	.71	.54	.41
46906CJ	74LS169N	.61	.47	.35
46922CJ	74LS173N	.82	.81	.80
46931CJ	74LS174N*	.46	.299	.265
46957CJ	74LS175N*	.26	.249	.21
46973CJ	74LS181N	1.95	1.64	1.11
46990CJ	74LS190N	2.95	2.65	2.55
47001CJ	74LS191N	.53	.44	.42
47010CJ	74LS192N	3.95	3.59	3.25
198598CJ	74LS193M	.87	.74	.55
47036CJ	74LS193N*	.59	.49	.45
47052CJ	74LS194N	.74	.63	.50
47061CJ	74LS195N	.93	.80	.60
243176CJ	74LS221M	.72	.55	.42
47124CJ	74LS221N	.33	.267	.25
198619CJ	74LS240M	.53	.40	.30
47141CJ	74LS240N*	.33	.28	.21
47167CJ	74LS241N	.36	.299	.23
198627CJ	74LS244M	.53	.398	.302
47183CJ	74LS244N*	.44	.37	.28
198635CJ	74LS245M	.39	.299	.227
47212CJ	74LS245N*	.53	.40	.35
47247CJ	74LS247N	.94	.80	.62
47271CJ	74LS251N	.53	.398	.299
47298CJ	74LS257N	.56	.423	.322
47327CJ	74LS259N	.47	.357	.328
47360CJ	74LS266N	.65	.498	.378
198643CJ	74LS273M	.53	.398	.302
47386CJ	74LS273N*	.45	.357	.276
47407CJ	74LS279N	.50	.41	.319
47423CJ	74LS283N	.40	.36	.27
47440CJ	74LS299N	.81	.75	.419
47546CJ	74LS365N	.77	.66	.54
47562CJ	74LS367N	.42	.38	.285
309286CJ	74ALS368AN	.39	.332	.311
198651CJ	74LS373M	.39	.299	.227
47600CJ	74LS373N*	.45	.39	.35
198660CJ	74LS374M	.53	.398	.302
47634CJ	74LS374N*	.45	.39	.34
47669CJ	74LS377N	.31	.20	.15
47722CJ	74LS390N	.69	.59	.44
243184CJ	74LS393M	.79	.60	.45
47731CJ	74LS393N	.54	.46	.34
309307CJ	74LS423AN	.95	.79	.69
47861CJ	74LS540N	.69	.59	.47
309235CJ	74LS541WM	.55	.415	.378
47870CJ	74LS541N	.46	.39	.29
64418CJ	74LS573N	2.05	1.85	1.55
64426CJ	74LS574N	2.15	1.89	1.69
47909CJ	74LS590N	4.55	3.65	2.74
103974CJ	74LS595N	4.55	3.87	2.90
47950CJ	74LS645N	1.59	1.31	1.00
309260CJ	74LS682N	1.05	.86	.66
47984CJ	74LS688N	.80	.68	.51

† **Note:** Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

*10 pcs. in 74LS series IC cabinet kit, pg 32

Standard Logic (Continued)

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

74ALS Series

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
309868CJ	74ALS00AM	SOIC-14	Quad 2-input NAND gates	$.22	$.191	$.176
245294CJ	74ALS00AN	DIP-14	Quad 2-input NAND gates	.39	.30	.23
309905CJ	74ALS02AM	SOIC-14	Quad 2-input NOR gates	.31	.274	.202
43959CJ	74ALS02N	DIP-14	Quad 2-input NOR gates	.30	.27	.22
309948CJ	74ALS04BM	SOIC-14	Hex inverters	.31	.274	.198
245307CJ	74ALS04BN	DIP-14	Hex inverters	.38	.33	.23
309972CJ	74ALS05AM	SOIC-14	Hex inverters w/ open collector outputs	.31	.274	.202
245286CJ	74ALS05AN	DIP-14	Hex inverters w/ open collector outputs	.38	.33	.23
310009CJ	74ALS08M	SOIC-14	Quad 2-input AND gates	.31	.274	.198
43983CJ	74ALS08N	DIP-14	Quad 2-input AND gates	.28	.25	.21
310025CJ	74ALS10AM	SOIC-14	Triple 3-input NAND gates	.27	.257	.227
245315CJ	74ALS10AN	DIP-14	Triple 3-input NAND gates	.31	.30	.28
310041CJ	74ALS11AM	SOIC-14	Triple 3-input AND gates	.31	.274	.202
245323CJ	74ALS11AN	DIP-14	Triple 3-input AND gates	.43	.38	.28
310068CJ	74ALS27M	SOIC-14	Triple 3-input NOR gates	.33	.282	.218
63503CJ	74ALS27N	DIP-14	Triple 3-input NOR gates	.26	.22	.165
245796CJ	74ALS30AN	DIP-14	8-input NAND gate	.39	.30	.23
310084CJ	74ALS32M	SOIC-14	Quad 2-input OR gates	.23	.133	.126
44134CJ	74ALS32N	DIP-14	Quad 2-input OR gates	.40	.32	.23
310113CJ	74ALS74AM	SOIC-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	.21	.166	.143
245892CJ	74ALS74AN	DIP-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	.39	.30	.23
310156CJ	74ALS86M	SOIC-14	Quad 2-input exclusive OR gates	.37	.299	.227
44214CJ	74ALS86N	DIP-14	Quad 2-input exclusive OR gates	.25	.21	.16
310199CJ	74ALS138M	SOIC-16	3 to 8 line decoder/demultiplexer	.46	.349	.269
309614CJ	74ALS138N	DIP-16	3 to 8 line decoder/demultiplexer	.46	.349	.265
310228CJ	74ALS139M	SOIC-16	2 to 4 line decoder/demultiplexer	.44	.349	.297
309649CJ	74ALS139N	DIP-16	2 to 4 line decoder/demultiplexer	.59	.448	.336
245754CJ	74ALS151N	DIP-16	1 of 8 line data selector/multiplexer	.48	.37	.29
309761CJ	74ALS161BN	DIP-16	4-bit decade/binary counter	.42	.34	.283
309702CJ	74ALS174N	DIP-8	Quad D-type flip-flops w/ clear	.53	.398	.302
309729CJ	74ALS175N	DIP-16	Quad D-type flip-flops w/ clear	.52	.398	.302
310261CJ	74ALS240AM	SOIC-20	Octal invert. 3-state bus drivers	.39	.315	.294
245753CJ	74ALS240AN	DIP-20	Octal invert. 3-state bus drivers	.49	.38	.29
310295CJ	74ALS244AM	SOIC-20	Octal 3-state bus drivers	.59	.448	.336
245761CJ	74ALS244AN	DIP-20	Octal 3-state bus drivers	.53	.41	.30
310332CJ	74ALS245AM	SOIC-20	Octal 3-state bus transceivers	.59	.448	.336
245770CJ	74ALS245AN	DIP-20	Octal 3-state bus transceivers	.45	.35	.27
44100CJ	74ALS251N	DIP-16	3-st. 1 of 8 line data selector/multiplexer	.58	.49	.37
245788CJ	74ALS258N	DIP-20	3-st. quad 1 of 2 line data selector/multip. (inverting)	.67	.51	.39
310359CJ	74ALS273M	SOIC-20	Octal D-type edge-trig. flip-flops w/ clear inputs	.71	.60	.454
44118CJ	74ALS273N	DIP-20	Octal D-type edge-trig. flip-flops w/ clear inputs	.62	.53	.40
310421CJ	74ALS373M	SOIC-20	Octal D-type 3-st. transparent latches	.59	.448	.34
44142CJ	74ALS373N	DIP-20	Octal D-type 3-st. transparent latches	.34	.29	.22
310455CJ	74ALS374M	SOIC-20	Octal 3-st. D-type edge-trig. flip-flops	.41	.357	.328
245809CJ	74ALS374AN	DIP-20	Octal 3-st. D-type edge-trig. flip-flops	.49	.38	.29
310471CJ	74ALS520M	SOIC-20	8-bit comparator	1.12	.90	.77
245817CJ	74ALS520N	DIP-20	8-bit comparator	1.12	.95	.76
245825CJ	74ALS521N	DIP-20	8-bit comparator with pullup resistors	1.37	1.16	.82
245833CJ	74ALS533N	DIP-20	Octal D-type transparent latches w/ 3-st. outputs	1.21	1.02	.73
310535CJ	74ALS540M	SOIC-20	Octal inverting buffers & line driv. w/ 3-st. outputs	1.22	1.08	.87
245841CJ	74ALS540N	DIP-20	Octal inverting buffers & line driv. w/ 3-st. outputs	.80	.67	.54
310551CJ	74ALS541M	SOIC-20	Octal buffers and line drivers w/ 3-st. outputs	.74	.62	.504

74LS Series IC Kit

SAVE $58



Includes:
20-drawer component cabinet (319599CJ),
20 clear plastic drawers (319601CJ),
20 clear dividers (319610CJ), pg 258 and
30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961CJ	420 pcs. 74LS IC kit	6.7	$119.95	$107.95
130391CJ	Refill for 84961CJ (420 pcs.)	2.0	99.99	89.99

74ALS Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
245850CJ	74ALS541N	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	$.79	$.67	$.55
310578CJ	74ALS573BM	SOIC-20	Octal D-type transp. latches w/ 3-st. outputs	.59	.448	.336
245868CJ	74ALS573BN	DIP-20	Octal D-type transp. latches w/ 3-st. outputs	.43	.36	.29
310623CJ	74ALS574AM	SOIC-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.59	.448	.336
245876CJ	74ALS574AN	DIP-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.43	.39	.36
310640CJ	74ALS645AM	SOIC-20	Octal bus transceivers	.74	.60	.546
245884CJ	74ALS645AN	DIP-20	Octal bus transceivers	.98	.83	.67
309796CJ	74ALS688N	DIP-20	8-bit identity comparator	2.95	2.39	1.88

Jameco's 3.3 Volt Logic

74LVC Series

TSSOP SOIC

For 3.3V power Supplies. This 3.3V logic series is offered in both 8 and 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313429CJ	74LVC00AD	SOIC-14	Quad 2-input NAND gates	$.38	$.299	$.21
313470CJ	74LVC04AD	SOIC-14	Hex inverters	.38	.307	.21
313488CJ	74LVC08AD	SOIC-14	Quad 2-input AND gates	.38	.307	.21
313496CJ	74LVC14AD	SOIC-14	Hex inverters w/ Schmitt triggers	.38	.307	.21
313517CJ	74LVC32AD	SOIC-14	Quad 2-input OR gates	.38	.307	.21
313533CJ	74LVC74AD	SOIC-14	Dual D-type flip-flops w/ set/reset	.38	.299	.21
313576CJ	74LVC125AD	SOIC-14	Quad bus buffers w/ 3-st.	.27	.216	.185
313613CJ	74LVC138AD	SOIC-16	3-to-8 line decoder/demultiplexer	.37	.299	.227
313621CJ	74LVC157AD	SOIC-16	2-to-1 line decoder/demultiplexer	.37	.299	.227
313648CJ	74LVC244AD	SOIC-20	Octal buffer/drivers w/ 3-st.	.41	.332	.252
313630CJ	74LVC245AD	SOIC-20	4-bit sync binary counter	.41	.332	.252
313584CJ	74LVC374AD	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.252
313541CJ	74LVC541AD	SOIC-20	Octal buffer/drivers w/ 3-st.	.41	.332	.305
313461CJ	74LVC573AD	SOIC-20	Octal D-type latches w/ 3-st.	.41	.332	.252
313824CJ	74LVC574AD	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.252
313947CJ	74LVC16244AT	TSSOP-48	16-bit buffer/driver w/ 3-st.	.95	.79	.71
313955CJ	74LVC16245AT	TSSOP-48	16-bit bus transceiver w/ 3-st.	.95	.79	.71
313963CJ	74LVC162244AT	TSSOP-48	16-bit buffer/driver w/ 3-st. w/ damp. res.	.95	.79	.64

74ALVC Series

TSSOP SOIC

Ideal for Memory Interfacing. This 3.3V logic series is offered in both 8 and 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313980CJ	74ALVC00D	SOIC-14	Quad 2-input NAND gates	$.33	$.266	$.202
314309CJ	74ALVC00T	TSSOP-14	Quad 2-input NAND gates	.33	.265	.202
314000CJ	74ALVC04D	SOIC-14	Hex inverters	.33	.266	.202
314229CJ	74ALVC08D	SOIC-14	Quad 2-input AND gates	.33	.266	.202
314341CJ	74ALVC08T	TSSOP-14	Quad 2-input AND gates	.33	.265	.20
314237CJ	74ALVC32D	SOIC-14	Quad 2-input OR gates	.33	.266	.205
314333CJ	74ALVC32T	TSSOP-14	Quad 2-input OR gates	.37	.29	.227
314253CJ	74ALVC125	SOIC-14	Quad bus buffers w/ 3-state	.43	.324	.244
314405CJ	74ALVC244T	TSSOP-14	Octal buffer/drivers w/ 3-state	.44	.332	.261
314421CJ	74ALVC245DW	SOIC-20	Octal bus transceivers w/ 3-state	.44	.336	.262
314430CJ	74ALVC245T	TSSOP-20	Octal bus transceivers w/ 3-state	.44	.336	.261
314456CJ	74ALVCH16244T	TSSOP-48	16-bit buffer/drivers w/ 3-state	1.04	.84	.64
314499CJ	74ALVCH16245T	TSSOP-48	16-bit bus transceivers w/ 3-state	1.04	.84	.64
314528CJ	74ALVCH16373T	TSSOP-48	16-bit D-type latches w/ 3-state	1.04	.84	.64
314595CJ	74ALVCH16374T	TSSOP-48	16-bit D-type flip-flops w/ 3-state	1.04	.84	.64
314616CJ	74ALVCH162244T	TSSOP-48	16-bit buffer/drivers w/ 3-state	1.05	.99	.90
314624CJ	74ALVCH162374T	TSSOP-48	16-bit D-type F/F w/ 3-st. w/ damp. res.	1.05	.99	.90
314632CJ	74ALVCH164245T	TSSOP-48	16-bit level-shifting transceivers	1.12	.95	.77

4000 Series

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
12562CJ	CD4001N**	DIP-14	Quad 2-input NOR gates	$.29	$.24	$.19
197261CJ	CD4001M	SOIC-14	Quad 2-input NOR gates	.28	.23	.18
12597CJ	CD4007N	DIP-14	Dual comp. pair with inverter	.29	.25	.22
12634CJ	CD4011N**	DIP-14	Quad 2-input NAND gates	.29	.24	.19
197270CJ	CD4011M	SOIC-14	Quad 2-input NAND gates	.22	.208	.193
12677CJ	CD4013N**	DIP-14	Dual D flip-flops with set/reset	.35	.25	.22

**20 pcs. in 4000 series IC cabinet kit, pg 33

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

4000 Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
197288CJ	CD4013M	SOIC-14	Dual D flip-flops with set/reset	$.30	$.29	$.22
12706CJ	CD4015N*	DIP-16	Dual 4-stage static shift registers	.45	.37	.28
12722CJ	CD4016N*	DIP-14	Quad bilateral switches	.28	.24	.18
12749CJ	CD4017N*	DIP-16	Decade counter/divider	.39	.35	.31
197296CJ	CD4017M	SOIC-16	Decade counter/divider	.56	.45	.33
12773CJ	CD4018N	DIP-16	Presettable divide-by-N counter	.30	.25	.23
12802CJ	CD4020N*	DIP-16	14-stage binary/ripple counter	.49	.39	.29
197309CJ	CD4020M	SOIC-16	14-stage binary/ripple counter	.62	.49	.36
12829CJ	CD4021N	DIP-16	8-stage static shift register	.40	.34	.23
54666CJ	CD4022N	DIP-16	Div. by 8-cntr./driver w/ 8-decoded outputs	.32	.27	.203
12845CJ	CD4023N*	DIP-14	Triple 3-input NAND gates	.28	.23	.16
12853CJ	CD4024N*	DIP-14	7-stage binary counter	.32	.27	.18
353560CJ	CD4026N	DIP-16	Decade counter/divider	.62	.52	.45
12888CJ	CD4027N*	DIP-16	Dual JK master-slave flip-flops	.27	.22	.16
197317CJ	CD4027M	SOIC-16	Dual JK master-slave flip-flops	.41	.35	.26
12909CJ	CD4028N	DIP-16	BCD-to-decimal decoder	.29	.22	.19
12925CJ	CD4029N	DIP-16	Presettable up/down counter	.32	.27	.18
197325CJ	CD4029M	SOIC-16	Presettable up/down counter	.36	.325	.277
12950CJ	CD4040N*	DIP-16	12-stage binary/ripple counter	.32	.27	.18
197333CJ	CD4040M	SOIC-16	12-stage binary/ripple counter	.56	.47	.34
12984CJ	CD4042N	DIP-16	Quad clocked D latches	.25	.213	.159
12992CJ	CD4043N	DIP-16	Quad NOR R-S latches tri-state	.28	.24	.18
13004CJ	CD4044N	DIP-16	Quad 3-state NAND R-S latches tri-state	.33	.28	.21
13012CJ	CD4046N*	DIP-16	Micropower phase-locked loop	.30	.27	.23
13039CJ	CD4047N	DIP-14	Monostable/astable multivibrator	.30	.25	.22
13055CJ	CD4049N**	DIP-16	Hex/buffer/converters (inverting)	.29	.24	.21
197341CJ	CD4049M	SOIC-16	Hex/buffer/converters (inverting) ~~$.33~~	.25	.199	.16
13071CJ	CD4050N*	DIP-16	Hex/buffer/converters (non-inverting)	.25	.21	.19
197350CJ	CD4050M	SOIC-16	Hex/buffer/converters (non-inverting)	.39	.33	.25
13098CJ	CD4051N*	DIP-16	Single 8-channel multi./demultiplexer	.45	.39	.35
197368CJ	CD4051M	SOIC-16	Single 8-channel multi./demultiplexer	.25	.21	.16
13119CJ	CD4052N	DIP-16	Diff. 4-channel multi./demultiplexer	.41	.332	.252
13127CJ	CD4053N	DIP-16	Triple 2-channel multi./demultiplexers	.21	.191	.168
13151CJ	CD4060N	DIP-16	14-stage ripple-carry binary	.41	.33	.25
13186CJ	CD4066N**	DIP-14	Quad bilateral switches	.35	.25	.19
197376CJ	CD4066M	SOIC-14	Quad bilateral switches	.31	.232	.151
13215CJ	CD4067N	DIP-24	16-channel analog multi./demultiplexer	.74	.63	.50
13231CJ	CD4069N*	DIP-14	Hex inverters (74C04)	.30	.24	.17
197384CJ	CD4069M	SOIC-14	Hex inverters (74C04) ~~$.29~~	.22	.167	.109
13258CJ	CD4070N*	DIP-14	Quad exclusive-OR gates (74C86)	.28	.24	.17
87847CJ	CD4070M✣	SOIC-14	Quad exclusive-OR gates	.28	.24	.17
13274CJ	CD4071N*	DIP-14	Quad 2-input OR gates	.28	.271	.244
197392CJ	CD4071M	SOIC-14	Quad 2-input OR gates	.30	.24	.17
13354CJ	CD4081N*	DIP-14	Quad 2-input AND gates	.28	.26	.24
197405CJ	CD4081M	SOIC-14	Quad 2-input AND gates ~~$.35~~	.20	.166	.151
13400CJ	CD4093N*	DIP-14	Quad 2-input NANDs Schmitt trigger	.29	.25	.19
197413CJ	CD4093M	SOIC-14	Quad 2-input NANDs Schmitt trigger	.30	.26	.19
13426CJ	CD4094N	DIP-16	8-stage shift-and-store bus register	.41	.37	.31
13434CJ	CD4098N	DIP-16	CMOS/MOS dual mono. multivibrator	.39	.299	.227
13442CJ	CD4099N	DIP-16	8-bit addressable latch	.30	.27	.24
13469CJ	CD4503N	DIP-16	Tri-state hex buffers (74C367) 80C97	.28	.25	.22

*10 pcs. in 4000 series IC cabinet kit, below **20 pcs. in 4000 series IC cabinet kit, below

✣ Refurbished = Backed by Jameco

4000 Series CMOS IC Kit



84970CJ

Includes:

20-drawer component cabinet (319599CJ),
20 clear plastic drawers (319601CJ),
20 clear dividers (319610CJ), pg 258 and
30 adhesive labels for drawers to identify parts in kit

SAVE $28

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4056

Part No.	Description	Wt. (lbs.)	1	10
84970CJ	300 pcs. 4000 series CMOS IC kit	6.1	$79.95	$71.95
130403CJ	Refill for 84970CJ (300 pcs.)	1.4	58.95	52.95

4000 Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
13485CJ	CD4510N	DIP-16	BCD up/down counter	$.39	$.30	$.23
13493CJ	CD4511N*	DIP-16	BCD to 7-seg. latch/decoder/driver	.69	.59	.49
197421CJ	CD4511M	SOIC-16	BCD to 7-seg. latch/decoder/driver	.39	.33	.25
13514CJ	CD4512N	DIP-16	8-channel data selector	.45	.365	.277
13522CJ	CD4514N	DIP-24	4-bit latch/4-16 line decoder	.94	.79	.64
13549CJ	CD4516N	DIP-16	Binary up/down counter	.50	.40	.30
13565CJ	CD4518N	DIP-16	Dual BCD up counters	.26	.25	.23
13581CJ	CD4520N	DIP-16	Dual binary up counters	.33	.28	.21
13590CJ	CD4522N	DIP-16	Program. BCD divide-by-N counter	.30	.26	.19
13602CJ	CD4526N	DIP-16	Divide-by-N counter (binary)	.52	.39	.31
13611CJ	CD4528N	DIP-16	Dual monostable multivibrators	.86	.73	.55
13653CJ	CD4538N*	DIP-16	Dual precision monostable multivibrators	.58	.49	.34
197430CJ	CD4538M	SOIC-16	Dual precision monostable multivibrators	.43	.329	.249
13688CJ	CD4541N	DIP-14	Oscillator/programmable timer	.23	.20	.15
13696CJ	CD4543N*	DIP-16	BCD to 7-segment decoder (LCD)	.59	.45	.29
13709CJ	CD4553N	DIP-16	3-digit BCD counter	2.95	2.51	1.88
354600CJ	CD4555N	DIP-16	Dual 1-4 decoder/demultiplexers (H.O.)	.31	.274	.227
354618CJ	CD4556N	DIP-16	Dual 1-4 decoder/demultiplexers (L.O.)	.46	.349	.265
13768CJ	CD4584N*	DIP-14	Hex Schmitt triggers	.39	.35	.29
197448CJ	CD4584M	SOIC-14	Hex Schmitt triggers	.28	.24	.18
44257CJ	CD40106N	DIP-14	Hex inverters Schmitt trigger (74C14)	.49	.465	.288
354589CJ	CD40109N	DIP-16	Quad L to H volt. level shifters	.51	.415	.378

*10 pcs. in 4000 series IC cabinet kit, below

7400 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48979CJ	7400N**	DIP-14	Quad 2-input NAND gates	$.65	$.55	$.45
49007CJ	7401N	DIP-14	Quad 2-input NAND gates (O.C.)	.59	.57	.54
49015CJ	7402N*	DIP-14	Quad 2-input NOR gates	.68	.56	.45
49040CJ	7404N**	DIP-14	Hex inverters	.59	.49	.45
49074CJ	7405N*	DIP-14	Hex inverters (O.C.)	.69	.54	.38
49091CJ	7406N**	DIP-14	Hex inverter buffer/drivers (O.C.)	.52	.45	.40
49120CJ	7407N**	DIP-14	Hex buffer/drivers (O.C.)	.40	.37	.32
49146CJ	7408N*	DIP-14	Quad 2-input AND gates	.82	.63	.48
49189CJ	7410N*	DIP-14	Triple 3-input NAND gates	.40	.36	.25
295777CJ	7411N	DIP-16	Triple 3-input AND gates	.99	.89	.80
49402CJ	7413N	DIP-14	Dual 4-input NAND gates Schmitt trigger	1.25	1.12	1.01
49437CJ	7414N*	DIP-14	Hex inverters Schmitt trigger	.59	.54	.50
49630CJ	7416N*	DIP-14	Hex inverter buffer/drivers (O.C.)	.52	.44	.33
49728CJ	7417N*	DIP-14	Hex buffer/drivers (O.C. hi-voltage)	.91	.77	.58
50008CJ	7420N*	DIP-14	Dual 4-input NAND gates	.56	.52	.45
50083CJ	7425N	DIP-14	Dual 4-input NOR gates with strobe	.78	.75	.72
50139CJ	7427N	DIP-14	Triple 3-input NOR gates	.68	.58	.43
50198CJ	7428N	DIP-14	Quad 2-input NOR buffers	.76	.65	.48
50235CJ	7432N*	DIP-14	Quad 2-input OR gates	.74	.64	.56
50315CJ	7438N*	DIP-14	Quad 2-input NAND buffers (O.C.) ~~$.70~~	.60	.51	.38
50358CJ	7440N	DIP-14	Dual 4-input NAND buffers	.55	.47	.35
50374CJ	7442N	DIP-16	BCD-to-decimal decoder	1.29	1.02	.84
50403CJ	7445N	DIP-16	BCD-to-decimal decoder/driver	1.19	1.05	.91
50411CJ	7446N	DIP-16	BCD-to-7 segment decoder/driver (H.O.)	2.09	1.95	1.89
50420CJ	7447N*	DIP-16	BCD-to-7 segment decoder/driver (L.O.)	1.49	1.29	.99
50518CJ	7470N*	DIP-14	Edge-triggered JK flip-flop	.81	.69	.52
50526CJ	7472N	DIP-14	AND gated JK master/slave flip-flop	2.25	1.91	1.43
50534CJ	7473N	DIP-14	Dual JK flip-flops with clear	1.15	.98	.73
50551CJ	7474N**	DIP-14	Dual D flip-flops	.59	.49	.39
50577CJ	7475N	DIP-16	4-bit bi-stable latch	2.95	2.75	2.49
50593CJ	7476N	DIP-16	Dual JK flip-flops with preset and clear	1.49	1.41	1.37
50631CJ	7483N	DIP-16	4-bit binary full adder	1.05	.91	.79
50657CJ	7485N*	DIP-16	4-bit magnitude comparator	.93	.76	.56
50227CJ	7430N*	DIP-14	8-input NAND gate	.56	.48	.36
50665CJ	7486N	DIP-14	Quad exclusive-OR gates	1.05	.85	.64
50681CJ	7489N	DIP-16	64-bit RAM P 50ns	3.49	3.19	2.99
50690CJ	7490N	DIP-14	Decade counter	1.49	1.27	.95
50737CJ	7492N	DIP-14	Divide-by-12 counter	1.49	1.29	.95
50745CJ	7493N	DIP-14	4-bit binary counter	1.49	1.34	1.19
50770CJ	7495N*	DIP-14	4-bit parallel-access shift reg. (K155N)	.91	.78	.52

*10 pcs. in 7400 series IC cabinet kit, pg 34 **20 pcs. in 7400 series IC cabinet kit, pg 34

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

7400 Series (Continued)

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
50796CJ	7497N	DIP-16	Synch. 6-bit binary rate multipliers	$2.49	$2.11	$1.55
49234CJ	74107N*	DIP-14	Dual JK flip-flop with clear	.45	.38	.28
49293CJ	74116N	DIP-24	Dual 4-bit latches with clear	1.95	1.65	1.25
49322CJ	74121N	DIP-14	Monostable multivibrator	1.15	1.05	.91
49357CJ	74123N*	DIP-16	Dual retriggerable mono. multivibrator	1.15	1.09	.90
49373CJ	74125N	DIP-14	Quad bus buffer tri-state (DM8093N)	1.11	.99	.86
49411CJ	74132N*	DIP-14	Quad 2-input NAND Schmitt trigger	1.29	.99	.70
49496CJ	74148N	DIP-16	8 to 3 line octal priority encoder	1.24	1.05	.79
49509CJ	74150N	DIP-24	16 to 1 line multiplexer	1.95	1.75	1.55
49525CJ	74151N*	DIP-16	8-input multiplexer	.65	.55	.41
49550CJ	74153N*	DIP-16	Dual 4/1 data selector/multiplexer	.76	.56	.39
49568CJ	74154N	DIP-24	4 to 16 line decoder/demultiplexer	2.25	1.95	1.75
49605CJ	74157N*	DIP-16	Quad 2/1 data selector	.88	.72	.51
49648CJ	74160N*	DIP-16	Decade counter with asynch. clear	.45	.40	.36
49664CJ	74161N	DIP-16	Synchronous 4-bit counter w/ direct clear	.70	.63	.50
49672CJ	74163N	DIP-16	Fully synchronous 4-bit counter	.81	.69	.52
49681CJ	74164N	DIP-14	8-bit serial shift register	.85	.72	.54
49699CJ	74165N	DIP-16	8-bit serial shift register, parallel load	.99	.84	.63
49779CJ	74174N*	DIP-16	Hex D-type flip-flop with clear	.99	.84	.63
49795CJ	74175N*	DIP-16	Quad D-type flip-flop with clear	.85	.72	.54
49832CJ	74180N	DIP-14	9-bit odd/even parity generator/checker	2.89	2.46	1.84
49841CJ	74181N	DIP-24	Arithmetic logic unit/function generator	3.29	2.96	2.66
49883CJ	74189N	DIP-16	64-bit RAM tri-state (DM8599N)	3.39	2.89	2.17
49904CJ	74191N	DIP-16	Binary up/down counter	1.85	1.57	1.18
49912CJ	74192N	DIP-16	Decade up/down counter with clear	3.69	3.39	3.19
49939CJ	74193N	DIP-16	Binary up/down counter with clear	1.85	1.59	1.45
49955CJ	74194N	DIP-16	4-bit bi-directional shift register	1.59	1.35	1.01
49963CJ	74195N	DIP-16	4-bit parallel-access shift register	1.65	1.40	1.05
50171CJ	74279N*	DIP-16	Quad set-reset latch	1.79	1.52	1.14
88225CJ	SDLD001A	—	Texas Instruments TTL Data Book	34.95	31.49	29.95

*10 pcs. in 7400 series IC cabinet kit, below

7400 Series IC Kit

SAVE $96



Includes:
20-drawer component cabinet (319599CJ),
20 clear plastic drawers (319601CJ),
20 clear dividers (319610CJ), pg 258 and
30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7430, 7432, 7438, 7447, 7470, 7485, 7495, 74107, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	10
84953CJ	350 pcs. 7400 IC kit	6.2	$149.95	$134.95

74C Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
44222CJ	74C00N	DIP-14	Quad 2-input NAND gate	$1.15	$.98	$.73
44231CJ	74C04N	DIP-14	Hex inverter (CD4069)	1.05	.89	.67
44257CJ	74C14N	DIP-14	Hex inverter Schmitt trigger (CD40106)	.49	.465	.288
44441CJ	74C74N	DIP-14	Dual D flip-flop	1.69	1.44	1.08
44361CJ	74C221N	DIP-16	Dual monostable multivibrator	3.69	3.19	2.50
13469CJ	74C367N	DIP-16	Hex buffer tri-state (80C97/CD4503)	.28	.25	.22
44396CJ	74C373N	DIP-20	Octal D-type flip-flop with clear tri-state	3.85	3.11	2.44
44409CJ	74C374N	DIP-20	Octal D-type flip-flop tri-st. (INS82C06N)	2.49	2.12	1.59
44564CJ	74C922N	DIP-18	16-key keyboard encoder (INS8245N)	7.05	6.79	6.19
44572CJ	74C923N	DIP-20	20-key keyboard encoder (INS8246N)	6.29	5.85	5.55
44581CJ	74C925N	DIP-16	4-digit CTR w/ MUX D segment driver	15.59	13.25	9.95
44599CJ	74C926N	DIP-18	4-digit CTR w/ MUX D segment driver	10.49	9.49	8.59

74S Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48531CJ	74S188N	DIP-16	256-bit (32 x 8) PROM O.C. (27S18)	$4.39	$3.95	$3.45
48557CJ	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state (27S03)	3.99	3.90	3.86
48696CJ	74S287N	DIP-16	1k-bit (256 x 4) PROM tri-state (TBP24S10)	8.95	7.85	7.09
48717CJ	74S288N	DIP-16	256-bit (32 x 8) PROM tri-st. (TBP18S030N)	7.39	6.39	5.49

74S Series (Continued)

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48805CJ	74S387N	DIP-16	1k-bit (256 x 4) PROM O.C. (TBP24SA10N)	$3.09	$2.79	$2.55
52513CJ	74S428N	DIP-28	System contr./bus driver (8228)	3.69	3.19	2.36
48864CJ	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (TBP28S42N)	12.95	11.65	10.49
48910CJ	74S571N	DIP-16	2k-bit (512 x 4) PROM tri-st. (AM27S13)	5.69	5.45	4.95
48928CJ	74S573N	DIP-18	4k-bit (1024 x 4) PROM tri-st. (53S441J)	3.39	2.89	2.59

DALLAS SEMICONDUCTOR Dallas Semiconductor

DIP SOIC

Part No.	Product No.	Pkg.	Description	1	10	100
114198CJ	DS1210	DIP-8	Nonvolatile controller chip	$4.19	$3.37	$2.27
114219CJ	DS1213C	DIP-28	SmartSocket 64k/256k	19.99	15.55	12.25
133410CJ	DS1216C	DIP-28	Smartwatch/RAM 64k/256k	31.89	27.69	19.99
114331CJ	DS1232	DIP-8	Micromonitor chip	2.05	1.56	1.21
133444CJ	DS1286♣	DIP-28	Watchdog timekeeper (50-Byte RAM)	23.95	18.25	12.70
76646CJ	DS1287♣	DIP-24	Real time clock with RAM (MC146818A)	7.25	6.15	4.59
176778CJ	DS1302	DIP-8	Trickle charge time keeping IC	2.75	2.10	1.28
114374CJ	DS1387♣	DIP-24	RAMified real time clock 4k x 8	8.59	7.30	5.48
114382CJ	DS1620	DIP-8	Digital thermometer and thermostat	6.29	5.05	3.49
245500CJ	DS1705ESA	SOIC-8	3.3V and 5V micromonitor w/ watchdog	1.99	1.48	1.09
282749CJ	DS1708ESA	SOIC-8	3.3V and 5V micromonitor	2.05	1.55	1.19
133452CJ	DS12887♣	DIP-24	Real time clock chip	8.15	6.25	4.15
299997CJ	DS12887A	DIP-24	Real time clock chip	8.15	6.22	4.15
114403CJ	DS80C320-MCG	DIP-40	High speed micro 25MHz	13.15	10.42	6.25

♣ Pull = Extra Savings

MPU Supervisory

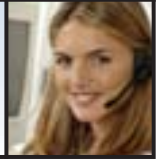
Package (see pg 35)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
106219CJ	✦	MAX690CPA	DIP-8	Microprocessor watchdog/battery	$5.99	$5.05	$3.13
106227CJ	✦	MAX691CPE	DIP-16	Microprocessor watchdog/battery	6.25	4.21	3.16
288403CJ	✦	MAX693CPE	DIP-16	Microprocessor watchdog/battery	6.49	3.86	3.22
297684CJ	MAX	MAX694CPA	DIP-8	Microprocessor supervisory circuit	6.59	3.86	3.26
297748CJ	MAX	MAX695CPE	DIP-16	Low cost MPU supervisory circuit	7.15	5.82	5.24
312418CJ	MAX	MAX699CPA	DIP-8	Low cost power on reset & watchdog	4.15	3.46	3.28
243627CJ	✦	MAX705CPA	DIP-8	MPU sup. circuit, watchdog, 4.65VCC	4.15	3.46	2.24
243635CJ	✦	MAX705CSA	SOIC-8	MPU sup. circuit, watchdog, 4.65VCC	4.59	4.10	2.45
297705CJ	MAX	MAX706CPA	DIP-8	MPU sup. circuit, watchdog, 4.4VCC	4.99	3.99	3.59
251774CJ	MAX	MAX707CPA	DIP-8	MPU sup. circ., watchdog, reset, 4.65VCC	4.15	3.48	2.20
251758CJ	MAX	MAX707CSA	SOIC-8	MPU sup. circ., watchdog, reset, 4.65VCC	4.29	3.59	2.50
298020CJ	✦	MAX734CPA	DIP-8	12V, 120mA flash memory prog.	3.69	3.49	3.32
298046CJ	✦	MAX734CSA	SOIC-8	12V, 120mA flash memory prog.	2.55	2.21	2.07
266861CJ	✦	MAX809T	SOT-23	3-pin MPU push-pull /RESET circuit	.50	.38	.29
245391CJ	✦	MAX810S	SOT-23	3-pin MPU push-pull RESET circuit	.80	.69	.66
245497CJ	MAX	MAX813LCSA	SOIC-8	Low cost MPU supervisory circuit	2.99	2.55	1.77
106260CJ	✦	MAX1232CPA	DIP-8	Microprocessor monitor	3.09	2.45	1.67
282677CJ	✦	DS1233-5	TO-92	4.75V CPU supervisory, pushbutton reset	1.15	1.05	.94
290221CJ	✦	DS1233D-5	TO-92	4.75V CPU supervisory	1.25	1.16	1.11
282651CJ	✦	DS1233M-5	TO-92	5V Freescale CPU supervisory	1.15	1.00	.90
282685CJ	✦	DS1233-10	TO-92/4	4.5V CPU supervisory, pushbutton reset	1.25	1.10	.99
313971CJ	ANA	AP1701DW	SOT-23	3-pin MPU push-pull /RESET	.72	.545	.40
313939CJ	ANA	AP1702DW	SOT-23	3-pin MPU push-pull RESET	.54	.325	.305
310316CJ	MAX	DS1708SESA	SOIC-8	3.3V micromonitor	1.85	1.47	1.38
298089CJ	MAX	DS1811-5	TO-92	4.75V econoreset w/ open drain output	.99	.69	.60
298118CJ	MAX	DS1811-10	TO-92	4.5V econoreset w/ open drain output	1.01	.68	.63
298100CJ	MAX	DS1811-15	TO-92	4.25V econoreset w/ open drain output	.99	.75	.73
309930CJ	NSC	LM3722EM5-4.63	SOT-23	5-pin MPU RESET, 4.63VTH. ext. temp.	2.55	1.90	1.60
309913CJ	NSC	LM3722IM5-3.08	SOT-23	5-pin MPU RESET, 3.08VTH. I-temp.	2.15	1.61	1.34

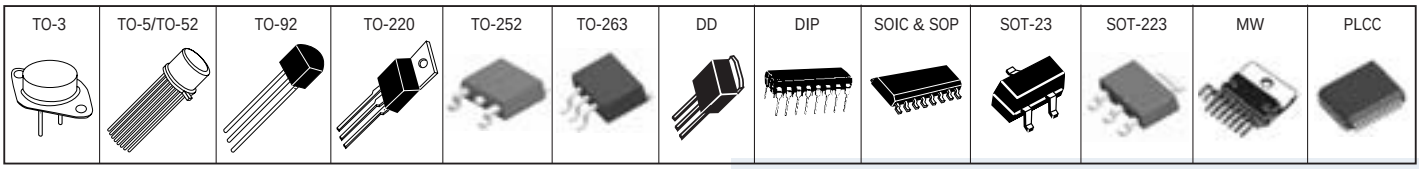
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Manufacturer Cross Reference Table

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Anachip	ANA	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Jameco Value Offering	✦

Power Management

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
291670CJ	✦	MAX712CPE	DIP-16	NiCD/NiMH battery fast chrg controller	$6.99	$5.36	$5.04
312979CJ	✦	NCP1800DM42R2	SOIC-8	Li-Ion battery charger	1.65	1.54	1.47
312821CJ	✦	BQ2003S	SOIC-16	Fast Charge IC	4.49	3.65	2.86
312848CJ	TI	BQ2004PN	DIP-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	4.49	3.79	3.66
312830CJ	TI	BQ2004SN	SOIC-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	4.49	3.79	3.72
312901CJ	TI	BQ2010SN-D107	SOIC-16	Gas Gauge IC ~~$6.99~~	6.29	5.82	4.36
312899CJ	TI	BQ2013HSN-A514	SOIC-16	Gas Gauge IC	6.75	6.58	6.25
312856CJ	TI	BQ2014SN-D120	SOIC-16	NiMH/NiCd gas gauge w/ 1-wire (DQ) i/f	7.19	6.84	6.49
312928CJ	TI	BQ2018TS-E1	TSSOP-8	Rechargeable battery power monitor	3.89	3.38	3.21
312936CJ	TI	BQ2019PW	TSSOP-8	Rechargeable battery power monitor	3.99	3.46	3.29
312881CJ	TI	BQ2040SN-D111	SOIC-16	Li-Ion/NiMH/NiCD gas gauge w/ smbus	7.19	6.84	6.50
312961CJ	✦	UC3906N	DIP-16	Linear lead acid battery charger	5.15	4.89	4.63
312944CJ	TI	BQ24004PWP	TSSOP-20	Li-Ion battery charger	3.69	3.20	3.05
312952CJ	✦	TPS65010RGZR	QFN-48	Li-Ion battery charger w/ USB + 12C	7.39	7.05	6.69
241808CJ	✦	ICL7665SCPA	DIP-8	2-16V voltage detector	2.45	2.20	1.38
241816CJ	✦	ICL7673CPA	DIP-8	Auto battery backup switch, 2.5V to 15V	1.05	.93	.75

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RS-232 Drivers/Receivers

SSOP  Other packages (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
142535CJ	✦	HIN202CP	DIP-16	+5V RS-232 trans. requires 0.1µF caps	$2.65	$2.10	$1.36
244232CJ	✦	MAX202CSE	SOIC-16	+5V RS-232 trans. w/ 0.1uF ext. caps	1.55	1.25	1.15
244241CJ	✦	MAX202EPE	DIP-16	+5V RS-232 transceivers	1.13	.99	.88
244259CJ	✦	MAX202ESE	SOIC-16	+5V RS-232 trans. w/ 0.1uF ext. caps	1.13	.99	.88
299794CJ	MAX	MAX207CWG	SOIC-24	RS-232 transceivers w/ 0.1uF ext. cap	3.65	2.77	2.00
282790CJ	✦	MAX211CAI	SSOP-28	+5V RS-232 trans. w/ 0.1uF ext. caps	6.59	5.04	3.46
312215CJ	✦	MAX211ECAI	SSOP-28	+5V RS-232 trans., ±15kV ESD	8.05	5.25	4.14
291215CJ	✦	MAX222CPN	DIP-18	+5V multichannel RS-232 drivers/recvr	3.49	3.39	3.18
291303CJ	✦	MAX222CWN	SOIC-18	+5V multichannel RS-232 drivers/recvr	3.89	3.09	2.41
24811CJ	✦	MAX232CPE*	DIP-16	Dual RS-232 receiver/transmitter	2.19	1.85	1.45
318959CJ	MAX	MAX232CPE	DIP-16	Dual RS-232 receiver/transmitter	2.89	1.77	1.49
106147CJ	✦	MAX232CWE	SOIC-16	+5V dual RS-232 trans./receiver	2.75	2.10	1.36
256401CJ	✦	MAX232DR	SOIC-16	Dual EIA-232 driver/receiver	.76	.66	.63
106155CJ	✦	MAX232EPE	DIP-16	+5V dual RS-232 (-40˚C to +85˚C)	3.29	2.52	1.63
106163CJ	✦	MAX233CPP	DIP-20	+5V multichannel RS-232 driver/rec.	6.19	4.99	4.66
106171CJ	✦	MAX235CPG	DIP-24	+5V five RS-232 driver/receiver	13.39	10.51	6.75
106180CJ	✦	MAX238CNG	DIP-24	+5V quad RS-232 driver/receiver	6.29	4.79	3.28
276883CJ	✦	MAX323CDWR	SOIC-20	True 3V-5.5V RS-232 trans.w/ autoshtdwn	1.69	1.61	1.45
193691CJ	✦	DS1488D	SOIC-14	Quad line driver RS-232 (75188D)	.41	.33	.25
23157CJ	✦	DS1488N*	DIP-14	Quad line driver RS-232 (75188N)	.27	.23	.17
16361CJ	✦	DS14C88N	DIP-14	Quad CMOS line driver RS-232	.57	.50	.41
23181CJ	✦	DS1489N*	DIP-14	Quad line receiver RS-232 (75189N)	.23	.215	.20
16379CJ	✦	DS14C89N	DIP-14	Quad CMOS line receiver RS-232	1.00	.73	.55
252128CJ	✦	MAX3221CAE	SSOP-16	RS-232 transceiver w/ auto shutdown	2.29	1.99	1.65
277042CJ	✦	MAX3221ECAE	SSOP-16	True 3V-5.5V RS-232 trans. w/ autoshtdwn	2.65	2.27	2.13
299760CJ	✦	MAX3222CAP	SSOP-20	True RS-232 low power trans.	3.35	2.69	1.83
276963CJ	✦	MAX3222CDBR	SSOP-20	3V-5.5V, low pwr RS-232 trans.	2.09	1.94	1.74
276859CJ	✦	MAX3232CDR	SOIC-16	3V-5.5V, true RS-232 transceiver	1.69	1.61	1.45
276867CJ	✦	MAX3232CSE	SOIC-16	3V-5.5V, true RS-232 transceiver	3.69	2.94	1.88
276795CJ	✦	MAX3238CDBR	SSOP-28	3V-5.5V, true RS-232 w/ autoshtdwn	1.85	1.73	1.55
276824CJ	✦	MAX3238IDBR	SSOP-28	3V-5.5V, true RS-232 w/ autoshtdwn	2.19	1.96	1.77
276761CJ	✦	MAX3243CDWR	SOIC-28	True 3V-5.5V RS-232 trans.w/ autoshtdwn	1.37	1.27	1.14
276779CJ	✦	MAX3243IDWR	SOIC-28	True 3V-5.5V RS-232 trans.w/ autoshtdwn	1.69	1.61	1.45
299911CJ	✦	DS14C232CM	SOIC-16	Low pwr TIA/EIA 232 dual driver/recvr	1.05	.94	.86

*10 pcs. in Linear series IC cabinet kit, pg 40 ✦ Jameco Value Offering

RS-232 Drivers/Receivers (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
235301CJ	✦	DS14C232CN	DIP-16	Low pwr +5V TIA/EIA 232 dual driv/recvr	$1.09	$.91	$.86
277982CJ	✦	SN75185DW	SOIC-20	Multiple RS-232 drivers/receivers	.79	.60	.45
256081CJ	✦	SN75185N	DIP-20	Multiple RS-232 drivers/receivers	.69	.60	.50
245366CJ	✦	SN75C188D	SOIC-14	Quad low power line driver	.56	.42	.32
23181CJ	✦	SN75189N	DIP-14	Quad line rec. RS-232 (DS1489N)	.23	.215	.20
193703CJ	✦	SN75189D	SOIC-14	Quad line rec. RS-232 (DS1489D)	.50	.30	.15
245374CJ	✦	SN75C189D	SOIC-14	Quad low power line receiver	.84	.71	.56
278205CJ	✦	TL145406N	DIP-16	Triple RS-232 drivers/receivers	.97	.88	.73
25099CJ	✦	MC145406P	DIP-16	RS232-C/V.28 driv./rec. (CMOS) (75C1406N)	1.95	1.75	1.59

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RS-422/485 Receivers

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
299815CJ	LTC	LTC485CS8	SOIC-8	RS-485 low power interface trans.	$2.15	$1.84	$1.73
299807CJ	LTC	LTC485CN8	DIP-8	RS-485 low power interface trans.	2.09	1.39	1.15
276605CJ	MAX	MAX490CSA	SOIC-8	Low pwr, slew-rate limited RS-485/422	2.55	1.95	1.25
276576CJ	MAX	MAX490CPA	DIP-8	Low pwr, slew-rate limited RS-485/422	2.55	2.05	1.83
276550CJ	MAX	MAX491CPD	DIP-14	Low pwr, slew-rate limited RS-485/422	2.55	2.05	1.85
311837CJ	MAX	MAX1480BEPI	DIP-28	Complete iso. RS485-422 data interface	28.75	22.29	20.72
244179CJ	ADI	ADM1485JN	DIP-8	RS-485 differential bus transceivers	2.05	1.83	1.65
244187CJ	ADI	ADM1485JR	SOIC-8	RS-485 differential bus transceivers	1.75	1.48	1.25
235310CJ	✦	DS1487N	DIP-8	Low pwr RS-485 1/4 unit load recvr. ~~$1.75~~	1.49	1.12	1.02
244195CJ	✦	MAX1487CPA	DIP-8	RS-485/RS-422 low-power transceivers	2.39	1.99	1.31
244208CJ	✦	MAX1487CSA	SOIC-8	RS-485/RS-422 low-power transceivers	2.35	1.99	1.53
39571CJ	✦	AM26LS30	DIP-16	Dual diff RS422 party line Qd RS423 line driv.	2.39	2.05	1.76
39589CJ	✦	AM26LS31CN	DIP-16	Quad diff line driver	.61	.54	.43
243555CJ	✦	AM26LV31CD	SOP-16	RS-422 quad differential line trans	.72	.65	.63
39600CJ	✦	AM26LS32CN	DIP-16	Quad diff line receiver RS422/423	.64	.57	.429
272217CJ	✦	DS26LS32ACN	DIP-16	Quad diff line receiver	.66	.50	.38
242051CJ	✦	AM26LV32CD	SOP-16	RS-422 quad differential line receivers	.92	.87	.82
252427CJ	✦	MC3486D	SOIC-16	Quad EIA-422/423 line rec. w/ 3-st. outputs	.66	.50	.38
25232CJ	✦	MC3486P	DIP-16	Quad EIA-422/423 line rec. w/ 3-st. outputs	.66	.56	.38
252961CJ	✦	MC3487D	SOIC-16	Quad EIA-422 differential line driver	.65	.50	.38
25259CJ	✦	MC3487P	DIP-16	Quad EIA-422 line driver w/ 3-state outputs	.66	.56	.38
298142CJ	NSC	DS3691M	SOIC-16	RS-422/423 line drivers w/ 3-state outputs	1.99	1.48	1.11
298134CJ	NSC	DS3691N	DIP-16	RS-422/423 line drivers w/ 3-state outputs	1.10	.99	.83
144039CJ	NSC	DS3695N	DIP-8	Multipoint RS-485/422 trans. w/ 3-st. outputs	1.75	1.32	.99
235336CJ	NSC	DS3696N	DIP-8	Multipoint RS-485/RS-422 trans./repeaters	2.29	1.71	1.28
299671CJ	NSC	DS8921AN	DIP-8	RS-422 differential line driver/receiver pair	1.59	.98	.86
298169CJ	NSC	DS8921M	SOIC-8	RS-422 differential line driver/receiver pair	1.45	1.10	.83
299701CJ	NSC	DS8922AM	SOIC-16	RS-422 dual differential line driver/receiver pair	1.59	1.19	.90
299719CJ	NSC	DS8922AN	DIP-16	RS-422 dual differential line driver/receiver pair	1.59	1.19	.89
299727CJ	NSC	DS8923AM	SOIC-16	RS-422 dual differential line driver/receiver pair	1.65	1.22	.92
309753CJ	NSC	DS8923AN	DIP-16	Dual RS-422 diff. line driver/rec. pairs	1.65	1.25	.93
235344CJ	NSC	DS36C278N	DIP-8	Low pwr multipoint EIA RS-485 transceiver	2.69	2.25	2.15
241980CJ	TI	SN75LBC172N	DIP-16	RS-485 differential line drivers	3.95	3.89	3.57
241998CJ	TI	SN75LBC173N	DIP-16	RS-422/RS-423/RS-485 diff. line rec.	3.05	2.62	2.46
50948CJ	✦	SN75174N	DIP-16	Quad diff. RS-422 line driver w/ 3-st. out	.76	.74	.63
245340CJ	✦	SN75175D	SOIC-16	Quad differential line receivers	.71	.60	.50
50956CJ	✦	SN75175N	DIP-16	Quad diff. EIA 422A/423A line rec. w/3-st. out	.72	.56	.45
243707CJ	TI	SN75LBC175D	SOIC-16	Quadruple low power diff. line receiver	1.89	1.55	1.17
243715CJ	TI	SN75LBC175N	DIP-16	RS-422/RS-423/RS-485 diff. line rec.	2.65	2.47	2.32
50964CJ	✦	SN75176BN	DIP-8	Differential bus transceiver	.65	.55	.45
251053CJ	TI	SN75LBC176AD	SOIC-8	Differential bus transceiver	3.09	2.71	2.53
244136CJ	TI	SN75LBC176AP	DIP-8	RS-485 diff. bus transceivers ~~$2.95~~	1.75	1.64	1.56
251846CJ	TI	SN75LBC176D	SOIC-8	Differential bus transceiver RS485	1.59	1.31	.86

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Color Code Legend: New Sale Lower$ QtySave

Interface – Analog (Continued)

Color Code Legend: New | Sale | Lower$ | QtySave

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RS-422/485 Receivers (Continued)

Package (see pg 37)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
243723CJ	TI	SN75LBC176P	DIP-8	RS-485 differential bus transceivers	$2.15	$1.99	$1.75
235387CJ	NSC	DS96172CN	DIP-16	RS-485/RS-422 quad diff. line drivers	3.59	3.26	2.96
235361CJ	NSC	DS96173CN	DIP-16	RS-485/RS-422 quad diff. line rec.	2.09	1.89	1.71
235395CJ	NSC	DS96174CN	DIP-16	RS-485/RS-422 quad diff. line drivers	2.45	2.12	1.45
235379CJ	NSC	DS96175CN✪	DIP-16	RS-485/RS-422 quad diff. line rec.	1.99	1.40	1.27
235408CJ	NSC	DS96176CN	DIP-8	RS-485/RS-422 diff. bus transceivers	1.79	1.59	1.19

✪ Blue Part No. = Limited Quantity Available

Interface Series

Package (see pg 37)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
310498CJ	TI	XTR101AP	DIP-14	Low-drift precision 2-wire trans.	$13.19	$12.00	$10.92
310501CJ	TI	XTR101AU	SOIC-16	Low-drift precision 2-wire trans.	16.25	15.43	14.66
312021CJ	TI	XTR105AP	DIP-14	4-20mA current transmitter	7.29	7.19	6.91
310703CJ	ST	L294	MW-11	Switch mode solenoid driver	3.05	2.63	2.35
310738CJ	ST	L295	MW-15	Dual switch mode solenoid driver	6.19	5.75	5.49
116206CJ	✦	TC426CPA	DIP-8	Dual 1.5A hi spd pwr MOSFET driver ~~$1.10~~	1.03	.95	.94
245593CJ	✦	TC426EOA	SOIC-8	Dual 1.5A hi spd pwr MOSFET driver	1.15	.94	.89
242077CJ	✦	TC428CPA	DIP-8	Dual MOSFET 1.5A driver	.95	.90	.86
242085CJ	✦	MAX626CPA	DIP-8	Dual 1.5A-peak low-side MOSFET driver	.99	.95	.90
242093CJ	✦	MAX627CPA	DIP-8	Dual MOSFET driver	1.05	.99	.94
246692CJ	✦	LT1030N	DIP-14	Quad low power line driver	1.11	.93	.76
310754CJ	✦	TC1426COA	SOIC-8	1.2A dual high-speed MOSFET drivers	.68	.66	.64
310771CJ	✦	TC1426CPA	DIP-8	1.2A dual high-speed MOSFET drivers	.88	.68	.63
12239CJ	✦	CA3161E	DIP-16	BCD to 7-seg. decoder driver	1.99	1.75	1.55
310480CJ	ON	MC33152D	SOIC-8	Dual high-speed MOSFET drivers	1.15	1.07	.85
310439CJ	ON	MC33152P	DIP-8	Dual high-speed MOSFET drivers	1.15	1.07	.85
25216CJ	NSC	MC3479P	DIP-16	Biphase stepper motor driver	3.99	3.39	2.69
24230CJ	NSC	LM3914N	DIP-18	Bar-graph display driver	2.55	2.15	1.99
300003CJ	NSC	LM3914N-1	DIP-18	Dot/bar display driver	1.65	1.54	1.38
246625CJ	NSC	LM3914V	PLCC-20	Dot/bar display driver	2.59	2.18	1.68
24256CJ	NSC	LM3915N	DIP-18	3 dB steps bar-graph disp. driver	2.49	1.99	1.55
24272CJ	NSC	LM3916N	DIP-18	VU meter display driver	2.19	1.65	1.22
291320CJ	✦	MIC4420CM	SOIC-8	6A-peak low-side MOSFET driver	1.05	1.03	.90
291434CJ	✦	MIC4420CN	DIP-8	6A-peak low-side MOSFET driver	1.29	1.15	1.05
251029CJ	✦	TC4420COA	SOIC-8	6A high speed MOSFET drivers	1.45	1.25	1.18
310965CJ	✦	TC4422CPA	DIP-8	9A high-speed MOSFET drivers	2.49	1.62	1.52
310800CJ	✦	TC4422EPA	DIP-8	9A high-speed MOSFET drvr, extended temp.	2.45	1.54	1.44
291590CJ	✦	MIC4427CM	SOIC-8	Dual 1.5A-peak low-side MOSFET drvr	1.15	1.05	.94
312207CJ	✦	MIC4429CM	SOIC-8	6A-peak low-side MOSFET driver	.99	.87	.82
291645CJ	✦	MIC4429CN	DIP-8	6A-peak low-side MOSFET driver	1.45	1.28	1.21
243379CJ	✦	MM5453N	DIP-40	Liquid crystal display driver	3.65	2.80	2.16
314691CJ	✦	ICL7136CPL	DIP-40	3 1/2 digit LCD LP dsply driver ~~$4.89~~	4.59	3.68	2.99
313453CJ	✦	ICM7211AMIPL	DIP-40	4-digit LCD display driver	2.89	2.62	2.39
313437CJ	✦	ICM7218AIJI	DIP-28	8-digit LED µP multi display decoder drvr	4.95	3.86	3.45
313445CJ	✦	ICM7218BIJI	DIP-28	8-digit LED µP multi display decoder drvr	7.39	7.04	6.68
312160CJ	MAX	MAX7219CNG	DIP-24	Serially interfaced 8-digit LED display drvr	9.95	7.59	5.06
312178CJ	MAX	MAX7219CWG	SO-24	Serially interfaced 8-digit LED display drvr	9.09	7.59	6.15
313322CJ	✦	ICM7228AIPI	DIP-28	8-digit µP compatible LED display decoder drvr	4.45	3.71	3.15
241875CJ	✦	FAN8082	DIP-8	Bi-directional, 18V DC motor driver	.70	.52	.47
241867CJ	✦	FAN8200	DIP-14	Bi-directional, 2-ch, 9V stepper motor drvr	.79	.68	.64
53663CJ	✦	9368	DIP-16	7 segment driver/latch ~~$4.49~~	3.99	3.49	3.20
213170CJ	✦	UA9636A✪	DIP-8	Dual diff. line receiver (MC3488A) ~~$.39~~	.34	.31	.28
256727CJ	TI	SN65LVDS31D	SOIC-16	High speed differential line driver	2.95	2.36	1.86
256719CJ	TI	SN65LVDS048AD	SOIC-16	LVDS quad differential line receiver	3.15	2.72	2.55
272188CJ	TI	SN65LVDS050D	SOIC-16	High speed diff. line driver/receiver	3.99	3.48	3.13
241824CJ	✦	MC14489BP	DIP-20	5V LED display/lamp driver	4.29	3.75	3.52
287831CJ	✦	MC14489BDW	SOG-20	5V LED driver, 5 digit / 25 lamps	3.39	3.19	3.05
50884CJ	✦	SN75154N	DIP-16	Quad line receiver	.75	.57	.428
277907CJ	✦	SN75172N	DIP-16	Quad differential line driver	1.15	.91	.69
245331CJ	✦	SN75173D	SOIC-16	Quad differential line receiver	1.15	.92	.70
277958CJ	✦	SN75179BD	SOIC-8	Differential driver and receiver pair	.95	.79	.65
277940CJ	✦	SN75179BP	DIP-8	Differential driver and receiver pair	.67	.61	.52
278133CJ	TI	SN75LBC180AN	DIP-14	Low pwr diff. line driver/receiver pairs	2.15	1.94	1.75
277966CJ	✦	SN75182N	DIP-14	Dual differential line receivers	.79	.66	.55
277974CJ	✦	SN75183N	DIP-14	Dual differential line drivers	1.19	.95	.71
51027CJ	✦	SN75451AN	DIP-8	Dual peripheral AND drivers	.39	.30	.23
51035CJ	✦	SN75452N	DIP-8	Dual peripheral NAND drivers	.45	.23	.21

✪ Blue Part No. = Limited Quantity Available ✦ Jameco Value Offering

Interface Series (Continued)

Package (see pg 37)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
278002CJ	✦	SN75453BP	DIP-8	Dual peripheral OR drivers	$.39	$.30	$.23
277317CJ	✦	SN75454BP	DIP-8	Dual peripheral NOR drivers	.39	.30	.23
277430CJ	✦	SN75462P	DIP-8	Dual peripheral NAND drivers	.62	.47	.36
278037CJ	✦	SN75471P	DIP-8	Dual peripheral AND driver	.63	.47	.31
278053CJ	✦	SN75472P	DIP-8	Dual peripheral NAND driver	.54	.42	.37
278061CJ	✦	SN75477P	DIP-8	Dual peripheral NAND driver	.56	.44	.34
51131CJ	✦	SN75492P	DIP-14	Hex digit driver (492)	3.45	3.00	2.85
310746CJ	✦	SN751177N	DIP-16	Dual differential drivers/receivers	2.75	2.39	2.32
253083CJ	✦	SN751730N	DIP-16	Triple line driver/receiver	2.35	1.90	1.50

✦ Jameco Value Offering

Digital Interface ICs

DIP

Part No.	Product No.	Pkg.	Description	1	10	50
323969CJ	EDEFT609	DIP-8	Serial stepper motor controller	$11.99	$11.39	$10.49
323977CJ	EDEFT639/P	DIP-8	Servo controller	9.99	9.49	8.49
323993CJ	EDEFT649	DIP-8	Five pin output controller	9.99	9.49	8.49
171951CJ	EDE702	DIP-18	Serial LCD interface	8.99	7.65	6.75
321710CJ	EDE707	DIP-28	Octal 7-segment LED display decoder	8.99	7.65	6.75
321728CJ	EDE747	DIP-24	7-segment decoder/driver	5.99	4.65	4.15
321701CJ	EDE1188	DIP-28	8x8 matrix universal keypad encoder	8.89	7.65	6.75
171969CJ	EDE1144	DIP-18	Keypad encoder	6.99	5.65	5.00
141532CJ	EDE1200	DIP-18	Unipolar stepper motor controller	8.29	6.90	5.90
157526CJ	EDE1204	DIP-18	Bipolar stepper motor controller	8.29	6.90	5.90
321736CJ	EDE2008	DIP-18	Pushbutton debouncer w/ 8-independent chan	5.99	4.65	4.15
321744CJ	EDE2108A	DIP-20	One-of-eight latcher single channel	5.99	5.09	4.15
321752CJ	EDE2108D	DIP-20	One-of-eight latcher act/deact	5.99	5.09	4.15
321761CJ	EDE2208/P	DIP-18	8-pushbutton momentary to toggle	5.69	3.99	3.79
324005CJ	EDE8744	DIP-28	16-key serial keypad and 2x40 LCD driver	13.89	11.79	10.65

5000 Series & Clock Chips

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	50
32803CJ	TCM5089N	DIP-16	Integrated tone dialer chip	$5.99	$5.39	$4.59
26091CJ	MM5321N✪	DIP-16	TV camera synchronous generator ~~$5.99~~	4.75	4.31	3.91
26171CJ	MM5450N	DIP-40	34-segment LED display driver ~~$2.99~~	2.79	2.60	2.30
86799CJ	LM555CM	SOIC-8	Timer (NE555D)	.35	.30	.25
27422CJ	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.29	.23	.20
126797CJ	LMC555CN*	DIP-8	CMOS 555 timer	.54	.49	.44
24328CJ	LM556N*	DIP-14	Dual 555 timer	.88	.65	.48
243395CJ	DP8573AN	DIP-24	5V real time clock chip	12.35	10.70	9.59
26201CJ	MM58167AN♣	DIP-24	Microprocessor real time clock ~~$4.49~~	2.89	2.63	2.39
95530CJ	RTC72421B	DIP-18	Real time clock module	6.79	5.69	4.34
25101CJ	MC146818♣	DIP-24	Real time clock plus RAM	5.99	3.48	3.15
10567CJ	AM9513APC♣	DIP-40	System timing counter	39.95	35.95	31.85

*10 pcs. in Linear series IC cabinet kit, pg 40 **20 pcs. in Linear series IC cabinet kit, pg 40

♣ Pull = Extra Savings ✪ Blue Part No. = Limited Quantity Available

UARTs

DIP PLCC

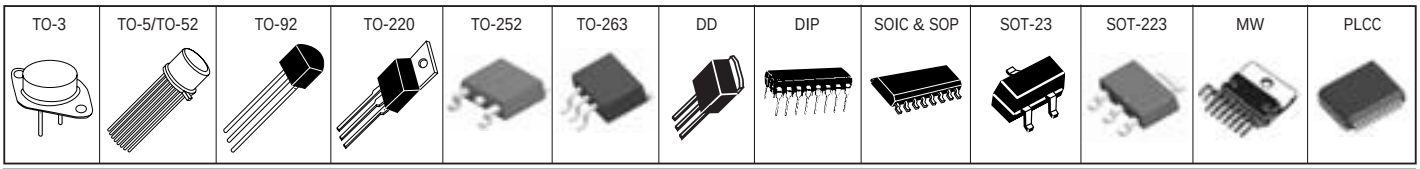
Part No.	Cross Ref.	Pkg.	Description	1	10	100
43158CJ	6402♣	DIP-40	CMOS/LSI UART (TR1863)	$6.25	$5.35	$4.99
27570CJ	NS16C450N	DIP-40	CMOS ACE (IBM-AT compat.) (82C450)	2.39	1.93	1.53
288753CJ	TL16C450FN	PLCC-68	5V UART, 1-channel w/o FIFO	2.65	2.12	1.66
288761CJ	TL16C451FN	PLCC-68	5V UART, 1-channel w/o FIFO, parallel port	4.39	3.55	2.79
288770CJ	TL16C452FN	PLCC-68	5V UART, 2-channel w/o FIFO, parallel port	4.45	3.59	2.85
27596CJ	NS16550AN♣	DIP-40	UART w/ FIFO (PC16550DN) ~~$5.89~~	4.99	4.49	2.49
288796CJ	TL16C550CFN	PLCC-44	5V UART, 1-channel w/ FIFO, ACF	3.09	2.49	1.95
288809CJ	TL16C550CN	DIP-40	5V UART, 1-channel w/ FIFO, ACF	3.09	2.49	1.95
288825CJ	TL16C552AFN	PLCC-68	5V UART, 2-channel, bicentronics port	5.99	4.85	4.09
288841CJ	TL16C554FN	PLCC-68	5V UART, 4-channel w/ 16B FIFO	9.89	9.39	8.93
288876CJ	TL16C750FN	PLCC-44	5V UART, 1-channel w/ 64B FIFO	5.75	5.65	5.55
288905CJ	TL16C754BFN	PLCC-68	5V UART, 4-channel w/ 64B FIFO	13.69	12.99	12.35

♣ Pull = Extra Savings

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Manufacturer Cross Reference Table

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Anachip	ANA	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Jameco Value Offering	✦

Encoders/Decoders

Package (see above)

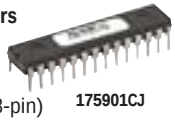
Part No.	Cross Ref.	Pkg.	Description	1	10	100
243942CJ	HCS300	DIP-8	2-6.3V, Code hopping decoder	$1.79	$1.69	$1.63
243483CJ	HCS512	DIP-18	3-6V, Code hopping decoder	7.15	6.85	6.79
243934CJ	HCS515	DIP-14	3-6V, Code hopping decoder	3.05	2.89	2.75
243951CJ	HCS2000	DIP-8	3.5-13V, Code hopping decoder	1.59	1.53	1.45
123730CJ	HT12E	DIP-18	Encoder 12-bit	1.69	1.49	1.29
123748CJ	HT12D	DIP-18	Decoder 8-bit address/4-bit data	1.69	1.49	1.29
126607CJ	HT648L	DIP-24	Remote control decoder	2.89	2.39	2.29
243441CJ	MCP2120	DIP-14	IrDA encoder/decoder	2.09	1.98	1.89
243459CJ	MCP2150	DIP-18	IrDA standard protocol stack controller	7.59	7.39	7.03
243408CJ	TP3054	DIP-16	5V serial PCM u-Law	2.45	1.89	1.46
243416CJ	TP3057	DIP-16	5V serial PCM A-Law	2.49	1.75	1.49
243424CJ	TP3064	DIP-20	5V serial PCM u-Law	3.19	3.11	3.05
243432CJ	TP3067	DIP-20	5V serial PCM A-Law	2.39	1.95	1.49
289529CJ	TLC320AC01CFN	PLCC-28	Audio codec, 14-bit, 1-channel, 25kHz	6.99	6.85	6.60
288745CJ	TIR1000PWR	TSSOP-8	Standalone IrDA encoder/decoder	2.25	2.19	2.05
287937CJ	MCP2120	SOIC-14	IrDA encoder/decoder	1.99	1.89	1.85
287945CJ	MCP2140-I/P	DIP-18	IrDA controller, + DTE/DCE endec	2.29	2.26	2.17
287953CJ	MCP2140-I/SO	SOIC-18	IrDA controller, + DTE/DCE endec	2.29	2.22	2.15
287961CJ	MCP2140-I/SS	SSOP-20	IrDA controller, + DTE/DCE endec	2.39	2.35	2.27
287970CJ	MCP2150-I/SO	SOIC-18	IrDA standard protocol stack controller	6.95	6.85	6.70
291004CJ	TP3054WM	SOIC-16	PCM codec, 1-ch., u-law, 2MHz	2.25	1.75	1.35
287849CJ	MC145026D	SOIC-16	Encoder, 9-line, simplex, OSC.	1.99	1.27	1.15
296702CJ	MC145026P	DIP-16	Encoder, 9-line, simplex, OSC.	1.99	1.29	1.15
287865CJ	MC145027DW	SOIC-16	Decoder, 5-line, simplex, OSC.	2.39	2.05	1.80
296711CJ	MC145027P	DIP-16	Decoder, 5-line, simplex, OSC.	2.25	1.55	1.41
296729CJ	MC145028P	DIP-16	Decoder, 9-line simplex, OSC.	2.75	1.85	1.69
287873CJ	MC145481DW	SOG-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.69	2.49	2.35
287881CJ	MC145483SD	SSOP-20	PCM codec, 13-bit, 1-ch., u-law/a-law	3.05	2.85	2.60
287890CJ	MC145484DW	SOIC-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.39	1.75	1.72
287902CJ	MC145484SD	SSOP-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.75	2.49	2.35

KAE Servo and Stepper Motor Controllers

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472CJ: PIC-SERVO Motion Control Chipset for DC Motors

- PIC servo control for DC motors with digital encoders
- 32-bit position, velocity, and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chip set (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)



175901CJ

175901CJ: PIC-STEP Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. – suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents • Programmable accelerations and minimum step rates

323934CJ: PIC-SERVO SC Servo Motion Control I.C.

- Servo controller for DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Description	Package	1	10	50
146472CJ	PIC-SERVO chip set	DIP-28/18, 0.3"	$34.95	$29.50	$27.95
175901CJ	PIC-STEP chip	DIP-28, 0.3"	25.75	21.75	19.75
323934CJ	KAE-T01V10-DP	DIP-28, 0.3"	28.95	24.49	22.25

Stepper Motor Drivers/Controllers

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288059CJ	L292	Multiwatt-15	Switch mode DC motor drive, 36V, 36kHz	$5.29	$5.03	$4.78
288067CJ	L297/1	DIP-20	5V stepper motor controller	5.49	5.25	4.69
288075CJ	L297D	SOIC-20	5V stepper motor controller	5.99	5.69	5.40
288083CJ	L6201	SOIC-20	36V DMOS full bridge motor driver	7.79	7.19	6.45
288091CJ	L6202	DIP-18	36V DMOS full bridge motor driver	7.85	6.39	5.79
288104CJ	L6203	Multiwatt-11	36V DMOS full bridge motor driver	12.35	11.09	10.55
288112CJ	L6506	DIP-18	5V stepper motor current controller	4.25	3.49	2.95
288121CJ	L6506D	SOIC-20	5V stepper motor current controller	4.49	3.75	3.31

A/D & D/A Converters

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43748CJ	7106CPL	DIP-40	A/D with 3 1/2-digit LCD control	$3.39	$2.99	$2.49
43756CJ	7107CPL	DIP-40	A/D with 3 1/2-digit LED control	3.19	2.59	2.19
290263CJ	ICL7135CPI	DIP-28	4 1/2 digit precision A/D converter	5.79	4.70	4.02
289545CJ	TLC540IDW	SOIC-20	8-bit A/D w/ MUX, sample and hold, serial, 75kHz	3.39	3.25	3.15
289553CJ	TLC540IFN	PLCC-20	8-bit A/D w/ MUX, sample/hold, serial, 75kHz	3.39	3.29	3.15
289588CJ	TLC540IN	DIP-20	8-bit A/D w/ MUX, sample/hold, serial, 75kHz	3.35	3.15	2.99
289596CJ	TLC541IDW	SOIC-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.89	2.64	2.55
289609CJ	TLC541IFN	PLCC-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.75	2.45	1.95
289625CJ	TLC541IN	DIP-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.85	2.69	2.55
289684CJ	TLC542CDW	SOIC-20	8-bit A/D w/ OSC., 25kHz	2.55	2.47	2.45
289692CJ	TLC542CN	DIP-20	8-bit A/D w/ OSC., 25kHz	2.55	2.47	2.45
289705CJ	TLC542IFN	PLCC-20	8-bit A/D w/ OSC., 25kHz	2.79	2.45	1.97
289713CJ	TLC545CN	DIP-28	8-bit A/D w/ MUX, sample/hold, serial 76kHz	5.45	5.35	5.25
289730CJ	TLC548ID	SOIC-8	8-bit A/D w/ sample/hold, 1-channel, 45kHz	2.39	2.25	2.20
289756CJ	TLC548CP	DIP-8	8-bit A/D w/ sample/hold, 1-channel, 45kHz	2.35	1.99	1.69
289781CJ	TLC549CD	SOIC-8	8-bit A/D w/ sample/hold, 1-channel, 45kHz	1.95	1.75	1.65
289810CJ	TLC549CP	DIP-8	8-bit A/D w/ sample/hold, 1-channel, 45kHz	1.99	1.76	1.69
290984CJ	TLV571IDW	SOIC-24	8-bit, 1-ch parallel A/D converter, 2.7V to 5.5V	4.29	4.09	3.99
290992CJ	TLV571IPW	TSSOP-24	8-bit, 1-ch parallel A/D converter, 2.7V to 5.5V	4.29	4.09	3.99
10145CJ	ADC0803LCN	DIP-20	8-bit A/D 1-input (±1/2 LSB), 100µs	4.55	3.51	2.69
10153CJ	ADC0804LCN	DIP-20	8-bit A/D 1-input (±1 LSB), 100µs	2.49	1.89	1.39
10170CJ	ADC0808CCN	DIP-28	8-bit A/D w/ 8-ch. mux. (±1/2 LSB), 100µs	4.99	4.19	3.43
10188CJ	ADC0809CCN	DIP-28	8-bit A/D w/ 8-ch. mux. (±1 LSB), 100µs	2.89	2.59	1.99
10209CJ	ADC0817CCN	DIP-40	8-bit A/D w/ 16-ch. mux. (±1/2 LSB), 100µs	7.29	6.65	5.95
10225CJ	ADC0820CCN	DIP-20	8-bit hi spd (1/2µs) A/D w/ track&hold	2.99	2.29	2.10
116100CJ	ADC0831CCN	DIP-8	8-bit A/D w/ mux. diff. input (±1 LSB), 32µs	1.95	1.75	1.59
290474CJ	TLV0831CD	SOIC-8	8-bit A/D, multiplexer, serial, 49kHz	2.39	2.29	2.25
290491CJ	TLV0831CP	DIP-8	8-bit A/D, multiplexer, serial, 49kHz	2.39	2.15	1.75
251176CJ	TL0831CP	DIP-8	8-bit A/D, w/ serial control (±1 LSB), 32µs	2.69	2.55	2.45
290538CJ	TLC0832CD	SOIC-8	8-bit A/D, multiplexer, serial, 45kHz	2.39	2.29	2.25
290554CJ	TLV0832CP	DIP-8	8-bit A/D, multiplexer, serial, 45kHz	2.39	2.29	2.25
290562CJ	TLV0834CD	SOIC-14	8-bit A/D, multiplexer, serial, 41kHz	2.49	2.25	1.79
290571CJ	TLV0834IN	DIP-14	8-bit A/D, multiplexer, serial, 41kHz	2.65	2.57	2.50
290600CJ	TLV0838CDW	SOIC-20	8-bit A/D, mulitplexer, serial, 38kHz	2.49	2.39	2.35
290618CJ	TLV0838IN	DIP-20	8-bit A/D, multiplexer, serial, 38kHz	2.65	2.55	2.50
287603CJ	ADS930E	SSOP-28	8-bit A/D (±1 LSB), 30MHz	4.89	4.60	4.00
296690CJ	AD7226KN	DIP-20	8-bit A/D 4-input (±1 LSB), 5us	19.89	18.79	17.65
287321CJ	AD7226KR	SOIC-28	8-bit A/D 4-input (±1 LSB), 5us	19.89	18.79	17.65
242296CJ	TLC1543	DIP-20	10-bit A/D 11-inputs (±1 LSB), 38ksps	3.39	2.89	2.33
242309CJ	TLC1549	DIP-20	10-bit A/D 1-input (±1 LSB), 38ksps	3.69	2.99	2.29
287591CJ	ADS901E	SSOP-28	10-bit A/D, (±1LSB), 25MHz	6.49	6.25	5.90
288681CJ	THS1030IDW	SOIC-28	10-bit A/D, 30Msps parallel	7.29	7.05	6.75
288690CJ	THS1031IDW	SOIC-28	10-bit A/D, 30Msps parallel	8.09	7.85	7.55

Color Code Legend: New Sale Lower$ QtySave

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A/D & D/A Converters (Continued)

Package (see pg 37)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288729CJ	THS1031IPW	TSSOP-28	10-bit A/D, 30Msps parallel	$8.09	$7.85	$7.55
289001CJ	TLC1541CDW	SOP-20	10-bit A/D, 11-input serial, 32kHz	6.05	5.75	5.45
289019CJ	TLC1541CN	DIP-20	10-bit A/D, 11-input serial, 32kHz	6.09	5.85	5.75
289027CJ	TLC1541CFN	PLCC-20	10-bit A/D, 11-input serial, 32kHz	5.79	5.59	5.39
289078CJ	TLC1542CDW	SOP-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.65	4.09	3.49
289107CJ	TLC1542CN	DIP-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.55	4.39	4.25
289115CJ	TLC1542CFN	PLCC-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.55	4.39	4.25
289123CJ	TLC1543CDB	SSOP-20	10-bit A/D, 11-input serial, 38kHz	3.65	3.25	3.05
289131CJ	TLC1543CDW	SOIC-20	10-bit A/D, 11-input serial, 38kHz	3.35	3.25	3.09
289220CJ	TLC1543CFN	PLCC-20	10-bit A/D, 11-input serial, 38kHz	3.35	3.25	3.09
289271CJ	TLC1543QDB	SSOP-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	4.05	3.79	3.75
289300CJ	TLC1543QDW	SOIC-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	3.99	3.79	3.75
289334CJ	TLC1543QFN	PLCC-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	3.99	3.79	3.75
289369CJ	TLC1549CD	SOP-8	10-bit A/D, 11-input ser. 38kHz	3.35	3.19	3.05
289377CJ	TLC15511FN	PLCC-28	10-bit A/D, 11-input parallel, 164kHz, ITMP	6.29	5.99	5.70
277165CJ	MAX186BCPP	DIP-20	12-bit A/D serial 8-input, low power	29.95	23.55	21.25
277157CJ	MAX186DCWP	SOIC-20	12-bit A/D serial 8-input, low power	19.75	15.55	13.99
277069CJ	MAX197BCNI	DIP-28	12-bit A/D w/ 8-ch, 1/2 LSB	24.99	22.95	20.95
287515CJ	ADS574JP	DIP-28	12-bit A/D (±1 LSB), 40ksps	38.79	36.85	35.00
287574CJ	ADS574KP	DIP-28	12-bit A/D (±1/2 LSB), 40ksps	44.75	42.49	40.39
287283CJ	AD674BJN	DIP-28	12-bit A/D 1-input (±1 LSB), 15us	41.35	31.05	25.05
287582CJ	ADS774JU	SOIC-28	12-bit A/D (±1 LSB), 125ksps	35.45	33.69	32.00
309711CJ	LTC1298CN8	DIP-8	12-bit A/D (±3/4 LSB), 11ksps	8.95	7.66	7.18
289422CJ	TLC2543CDW	SOIC-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
289431CJ	TLC2543CFN	PLCC-20	12-bit A/D, 11-input serial, 66kHz	7.29	6.55	5.59
289465CJ	TLC2543CN	DIP-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
289473CJ	TLC2543CDB	SSOP-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
290634CJ	TLV2543CDW	SOIC-20	12-bit A/D, 11-channel serial	7.99	7.79	7.55
290669CJ	TLV2543CDW	DIP-20	12-bit A/D, 11-channel serial	8.35	7.95	7.55
43764CJ	7109CPL	DIP-40	12-bit A/D 1-input (±2 LSB), 30sps	7.49	6.37	4.77
311781CJ	MCP3221A5T-I/OT	SOT-23A/5	12-bit A/D, low-power I2C interface	2.05	1.95	1.85
287988CJ	MCP3301-CI/MS	MSOP-8	13-bit A/D, 1-input serial, diff. input	2.79	2.65	2.55
287996CJ	MCP3301-CI/P	DIP-8	13-bit A/D, 1-input serial, diff. input	2.59	2.49	2.40
288008CJ	MCP3302-CI/P	DIP-14	13-bit A/D, 2-input serial, diff. input	3.59	3.45	3.30
288016CJ	MCP3302-CI/SL	SOIC-14	13-bit A/D, 2-input serial, diff. input	3.59	3.45	3.30
288024CJ	MCP3302-CI/ST	TSSOP-14	13-bit A/D, 2-input serial, diff. input	3.85	3.65	3.50
288032CJ	MCP3304-CI/P	DIP-16	13-bit A/D, 4-input serial, diff. input	3.95	3.79	3.65
288041CJ	MCP3304-CI/SL	SOIC-16	13-bit A/D, 4-input serial, diff. input	3.95	3.79	3.65
277149CJ	MAX110ACWE	SOIC-16	14-bit A/D serial w/ 2-ch, 550µA ± .03% typ. acc.	15.25	11.99	10.79
277131CJ	MAX110BCPE	DIP-16	14-bit A/D serial w/ 2-ch, 550µA ± .05% typ. acc.	11.69	9.21	8.29
277122CJ	MAX110BCWE	SOIC-16	14-bit A/D serial w/ 2-ch, 550µA ± .05% typ. acc.	11.69	9.21	8.29
313779CJ	TC500ACOE	SOIC-16	17-bit A/D analog "front end", 18mW	4.55	4.51	4.46
313787CJ	TC500CPE	DIP-16	17-bit A/D analog "front end", 18mW	3.35	3.05	2.89
287312CJ	AD676JD	DIP-28	16-bit A/D 1-input (±1 LSB), 100ksps	85.69	83.85	81.99
242317CJ	ADS7805	DIP-28	16-bit A/D 1-input (±3 LSB), 100ksps	38.29	36.35	34.52
242325CJ	ADS7813	DIP-16	16-bit A/D 1-input (±2 LSB), 40ksps	37.85	35.25	33.15
239417CJ	ADS7825	DIP-28	16-bit A/D 4-input (±2 LSB), 40ksps	46.55	43.45	41.35
287401CJ	AD976ABN	DIP-28	16-bit A/D 1-input (± 2LSB), 200ksps	72.69	69.49	66.05
287419CJ	AD976ABRS	SSOP-28	16-bit A/D 1-input (±2 LSB), 200ksps	72.99	69.49	66.05
287435CJ	AD976BR	SOIC-28	16-bit A/D 1-input (±3 LSB), 100ksps	58.55	55.59	52.85
287507CJ	ADS1100A01DBVT	SOT-23/6	16-bit A/D self-calibrating	3.59	3.45	3.25
288593CJ	PCM1800E	SSOP-24	20-bit stereo A/D, 2-input serial, 32-48kHz	4.75	4.65	4.49
288622CJ	PCM1801U	SOIC-14	20-bit stereo A/D, 2-input serial, 32-48kHz	4.89	4.29	4.15
287363CJ	AD7714AN	DIP-24	24-bit A/D 6-input, 38ksps	18.35	17.95	17.50
316726CJ	TC7117CPL	DIP-40	A/D conv w/ 3 1/2 digit LED/LCD driver ~~$3.75~~	2.75	2.55	2.25
287793CJ	MC144110DW	SOIC-20	6-bit D/A, 6-input, serial R-2R	4.45	4.20	3.90
287822CJ	MC144111DW	SOIC-16	6-bit D/A, 4-input, serial R-2R	3.65	2.49	2.29
115158CJ	AD558JN	DIP-16	8-bit D/A 1-input (±1/2 LSB), 200ns	12.59	11.99	11.29
14904CJ	DAC0800LCN	DIP-16	8-bit D/A (±1 LSB), 100ns	1.79	1.59	1.45
14912CJ	DAC0806LCN	DIP-16	8-bit D/A (±1 LSB), 150ns (MC1408P6)	1.89	1.85	1.82
14947CJ	DAC0808LCN	DIP-16	8-bit D/A (±1 LSB), 150ns (MC1408P8)	1.59	1.39	1.09
14963CJ	DAC0830LCN	DIP-20	8-bit D/A double buffer (.05% Lin.), 1µs	5.95	4.49	4.35
128186CJ	DAC0832LCN	DIP-20	8-bit D/A double buffer (.20% Lin.), 1µs	3.09	2.99	1.89
290781CJ	TLV5604ID	SOIC-16	8-bit D/A, 4-channel, serial	6.85	6.75	6.39
290790CJ	TLV5604IPW	TSSOP-16	8-bit D/A, 4-channel, serial	6.85	6.75	6.39
289836CJ	TLC5620CN	DIP-14	8-bit D/A, 4-channel, serial	2.89	2.72	2.69

A/D & D/A Converters (Continued)

Package (see pg 37)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
289844CJ	TLC5620CD	SOIC-14	8-bit D/A, 4-channel, serial	$2.75	$2.64	$2.55
289861CJ	TLC5628CDW	SOIC-16	8-bit D/A, 8-channel, serial, 5V	4.75	4.29	4.15
289879CJ	TLC5628CN	DIP-16	8-bit D/A, 8-channel, serial, 5V	4.65	4.55	4.30
290968CJ	TLV5628DW	SOIC-16	8-bit D/A, 8-channel, serial, 3V	4.49	3.95	3.75
290976CJ	TLV5628CN	DIP-16	8-bit D/A, 8-channel, serial, 3V	4.69	3.79	2.99
54025CJ	AD7523JN	DIP-16	8-bit D/A 1-input (±1 LSB), 150ns	2.99	2.49	2.19
289895CJ	TLC7524CD	SOIC-16	8-bit D/A, multiplier, parallel	2.59	2.19	1.79
290052CJ	TLC7524CN	DIP-16	8-bit D/A, multiplier, parallel	2.75	2.39	1.95
290087CJ	TLC7528CN	DIP-20	8-bit D/A, multiplier, parallel	2.69	2.25	1.92
290095CJ	TLC7528IDW	SOIC-20	8-bit D/A, multiplier, parallel	2.55	2.49	2.05
287339CJ	AD7628KN	DIP-20	8-bit D/A 2-input (±1 LSB), 350ns	4.35	3.79	3.70
239425CJ	TLC5615	DIP-8	10-bit D/A 1-input (±1 LSB), 12µs	3.49	2.79	2.32
287380CJ	AD9760AR	SOIC-28	10-bit D/A, 125Msps	8.19	7.39	6.69
287443CJ	AD9832BRU	TSSOP-16	10-bit DDS D/A, 25MHz	8.89	8.15	7.29
287451CJ	AD9850BRS	SSOP-28	10-bit DDS D/A w. comp., 3.5ns	20.09	18.45	17.39
287347CJ	AD767JN	DIP-24	12-bit D/A 1-input (± 1 LSB), 4us	20.49	19.49	18.50
287355CJ	AD767KN	DIP-24	12-bit D/A 1-input (± 1/2 LSB), 4us	20.09	18.69	17.25
14980CJ	DAC1222LCN	DIP-18	12-bit D/A (.20% Lin.), 500ns	9.95	8.95	8.05
290802CJ	TLV5610IDW	SOIC-20	12-bit D/A, 8-channel, serial	15.99	15.25	14.49
290845CJ	TLV5610IPW	TSSOP-20	12-bit D/A, 8-channel, serial	16.05	15.25	14.49
290829CJ	TLV5613IDW	SOIC-20	12-bit D/A, 1-channel, parallel	5.09	4.99	4.75
290853CJ	TLV5613IPW	TSSOP-20	12-bit D/A, 1-channel, parallel	5.09	5.00	4.75
290896CJ	TLV5614CD	SOIC-16	12-bit D/A, 4-channel, serial	13.95	13.25	12.59
290933CJ	TLV5614CPW	TSSOP-16	12-bit D/A, 4-channel, serial	13.95	13.25	12.59
287398CJ	AD9764AR	SOIC-28	14-bit D/A, 125Msps	14.25	11.75	11.15
239433CJ	DAC712	DIP-28	16-bit D/A 1-input (±1 LSB), 10µs	20.05	18.93	17.96
242771CJ	DAC714P	DIP-16	16-bit D/A w/ ser. interf. (±1 LSB), 10µs, mult. out. ranges	39.35	33.75	29.55
243336CJ	DAC715	SOIC-28	16-bit D/A w/ bus interf. (±1 LSB), 10µs	34.55	33.65	32.85
243344CJ	DAC716	DIP-16	16-bit D/A w/ serial interf. (±1 LSB), 10µs	27.45	25.65	24.85

Low Drop-Out Voltage Regulators

Package (see pg 37)

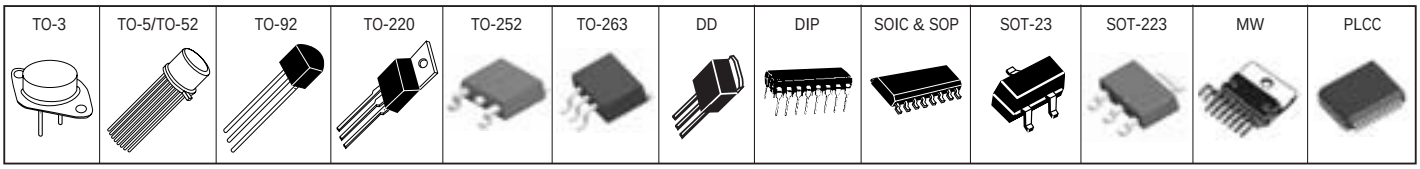
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
299743CJ	✦	LM1084IT-ADJ	TO-220	5A low drop out adj. pos. volt. reg.	$1.75	$1.32	$.98
299735CJ	✦	LM1084IT-3.3	TO-220	5A low drop out 3.3V pos. volt. reg.	1.75	1.32	.98
309770CJ	✦	LM1084IT-12	TO-220/3	5A low drop-out pos. 12V volt. reg.	1.17	1.09	1.02
314587CJ	ANA	AP1084T	TO-220/3	5A LDO pos volt reg (adj)	1.19	.95	.77
282781CJ	✦	LD1085D2M33	DD	3A low drop pos volt reg. adj./fixed	1.89	1.71	1.54
282757CJ	✦	LT1085CT	TO-220	3A low drop pos volt reg. adj./fixed	1.79	1.61	1.45
302471CJ	✦	LM1085IS-ADJ	TO-263	3A low drop out adj. pos. volt. reg.	1.29	.97	.72
302463CJ	✦	LM1085IS-3.3	TO-263	3A low drop out 3.3V pos. volt. reg.	1.29	.97	.72
302455CJ	✦	LM1085IT-ADJ	TO-220	3A low drop out adj. pos. volt. reg.	1.29	.97	.72
244312CJ	✦	LD1086D2M33	TO-263/3	3.3V, low dropout voltage reg.	1.49	1.31	1.02
245585CJ	✦	LD1086D2M50	TO-263/3	5.0V, low drop positive voltage reg.	1.09	.97	.88
314579CJ	ANA	AP1086D	TO-252/3	1.5A LDO pos volt reg (adj)	1.25	.91	.67
245526CJ	✦	LM1086CS-ADJ	TO-263/3	1.5A low dropout positive reg.	1.09	.81	.59
192305CJ	✦	LM1086CT-3.3	TO-220/3	1.5A low dropout positive reg. (3.3V)	1.09	.81	.60
192313CJ	✦	LM1086CT-5.0	TO-220/3	1.5A low dropout positive reg. (5V)	1.18	.87	.64
192292CJ	✦	LM1086CTADJ	TO-220/3	1.5A low dropout positive reg.	1.40	1.09	.72
314552CJ	ANA	AP1086D33	TO-252/3	1.5A low dropout positive volt reg (3.3V)	1.19	.90	.665
314536CJ	ANA	AP1086T	TO-220/3	1.5A pos LDO voltage reg (adj)	1.25	.91	.67
314501CJ	ANA	AP1086T33	TO-220/3	1.5A pos LDO voltage reg (3.3V)	1.25	.91	.67
314481CJ	ANA	AP117D	TO-252/3	1A pos adj LDO voltage reg	1.03	.76	.551
314472CJ	ANA	AP1117D50	TO-252/3	1A pos LDO voltage reg (5V)	1.03	.76	.551
314464CJ	ANA	AP117E25	SOT-223/3	1A pos LDO voltage reg (2.5V)	.91	.68	.494
314448CJ	ANA	AP1117E50	SOT-223/3	1A pos LDO voltage reg (5V)	.89	.68	.494
314376CJ	ANA	AP1117T	TO-220/3	1A pos. adj. LDO voltage reg.	1.19	.865	.66
242042CJ	✦	LM1117DT-3.3	TO-252/3	800mA low dropout linear reg.	.91	.66	.49
242069CJ	✦	LM1117DT-5.0	TO-252/3	800mA, 5V, low dropout voltage reg.	.91	.66	.49
251782CJ	✦	LM1117MPX-ADJ	SOT-223/3	800mA low drop out linear regulator	.37	.35	.33

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Manufacturer Cross Reference Table

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Anachip	ANA	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Jameco Value Offering	✦

Low Drop-Out Voltage Regulators (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
242114CJ	✦	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO voltage reg.	$.66	$.625	$.57
243539CJ	✦	LM1117T-ADJ	TO-220/3	800mA, adj., LDO voltage reg.	1.25	.83	.61
300222CJ	LTC	LT1129CT	TO-220	µPwr LDO reg. w/ shutdown	3.99	3.89	3.69
314325CJ	ANA	AP1184K5	TO-263/5	4A ultra LDO adjustable regulator	5.29	3.69	3.29
244216CJ	✦	LT1585ACT-3.3	TO-220/3	5A, 3.3V, LDO voltage reg.	4.39	3.97	3.57
244224CJ	✦	LT1585ACT-ADJ	TO-220/3	5A, adjustable, LDO volt. reg.	4.75	4.20	3.60
244144CJ	✦	LT1587CM	DD/3	3A LDO voltage regulator	5.85	4.00	3.80
244152CJ	✦	LT1587CT-3.3	TO-220/3	3A, 3.3V, LDO voltage reg.	1.39	1.03	.76
244161CJ	✦	LM1587CT-ADJ	TO-220/3	3A LDO fast response reg.	1.65	1.22	.90
310244CJ	TI	TLV2217-33KC	TO-220/3	LDO 3.3V volt reg. PNP	.76	.64	.515
310121CJ	✦	LM2930T-5.0	TO-220/3	3-terminal positive voltage regulator	.71	.69	.65
121030CJ	✦	LM2931AZ-5.0	TO-92	5V LDO regulator	.49	.43	.31
23368CJ	✦	LM2931CT	TO-220/5	3V-24V LDO regulator	.56	.53	.50
256612CJ	✦	LM2931D-5.0	SOIC-8	5V LDO regulator	.46	.40	.35
121048CJ	✦	LM2931Z-5.0	TO-92	5V LDO regulator	.39	.36	.34
291098CJ	NSC	LM2937ES-2.5	TO-263	2.5V 500mA LDO regulator	1.55	1.16	.87
297810CJ	NSC	LM2937ET-5.0	TO-220	5V 500mA LDO regulator	1.35	1.00	.88
291101CJ	NSC	LM2937ET-10	TO-220	10V 500mA LDO regulator	1.69	1.10	.91
192495CJ	✦	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	1.27	1.02	.75
107182CJ	✦	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	1.39	1.05	.77
245657CJ	✦	LM2941CS	TO-263/5	1A LDO adjustable regulator	1.79	1.33	.99
121064CJ	✦	LM2941CT	TO-220/5	1A LDO adjustable reg. (45Vin)	.99	.88	.71
23376CJ	✦	LM2941T	TO-220/5	1A LDO adjustable reg. (60Vin)	1.59	1.19	.79
301292CJ	✦	LP2950ACZ-3.0	TO-92	Low power LDO 3V low % reg.	1.05	.88	.83
121101CJ	✦	LP2950ACZ-5.0	TO-92	Low power LDO 3V low % reg.	.69	.59	.44
266781CJ	✦	LP2950CDT-5.0	TO-252/3	100mA low pwr. LDO volt. reg.	.99	.74	.54
266845CJ	✦	LP2950CZ-3.0	TO-92	100mA low pwr. LDO volt. reg.	.80	.60	.47
266757CJ	✦	LP2950CZ-5.0	TO-92	100mA low pwr. LDO volt. reg.	.80	.59	.29
266669CJ	NSC	LP2967IBP-2533	BPA-8	Dual µPwr 150ma LDO reg. (2.5/3.3V)	3.05	2.76	2.48
266589CJ	NSC	LP2967IBP-2828	BPA-8	Dual µPwr 150ma LDO reg. (2.8/2.8V)	3.05	2.76	2.49
266626CJ	NSC	LP2967IMM-2528	MSOP-8	Dual µPwr 150ma LDO reg. (2.5/2.8V)	2.79	2.50	2.25
266407CJ	NSC	LP2967IMM-2533	MSOP-8	Dual µPwr 150ma LDO reg. (2.5/3.3V)	2.79	2.50	2.25
266597CJ	NSC	LP2967IMM-2626	MSOP-8	Dual µPwr 150ma LDO reg. (2.6/2.6V)	2.79	2.52	2.27
266642CJ	NSC	LP2967IMM-2828	MSOP-8	Dual µPwr 150ma LDO reg. (2.8/2.8V)	2.79	2.50	2.25
266706CJ	NSC	LP2986ILD-3.0	LLP-8	uPwr, 200mA ultra LDO fixed volt reg.	1.99	1.79	1.62
266722CJ	NSC	LP2987ILD-5.0	LLP-8	Same as above w/ prog. pwr-on reset delay	1.99	1.79	1.62
246545CJ	NSC	LM3480IM3-3.3	SOT-23/3	100mA quasi LDO linear volt. reg.	.99	.90	.81
246553CJ	NSC	LM3480IM3-5.0	SOT-23/3	100mA quasi LDO linear volt. reg.	.99	.74	.55
192524CJ	✦	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.95	1.76	1.36
252241CJ	✦	MC29152BU	TO-263/5	1.5A high current LDO reg.	2.85	2.68	2.35
251344CJ	TI	TP76201DBVR	SOT-23/5	100mA LP low output adj. LDO linear reg	1.29	1.16	1.04

✦ Jameco Value Offering

Voltage Regulators

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
282618CJ	✦	LM117H	TO-39	3-terminal adjustable regulator	$6.45	$5.17	$4.20
282036CJ	✦	LM140LAH-5.0	TO-39	3-terminal positive regulator	5.55	4.27	3.24
302375CJ	✦	LM217T	TO-220	1.2 - 37V adj. positive voltage reg.	.65	.62	.59
23499CJ	✦	LM309K	TO-3/2	5V 1A regulator (0˚C to +125˚C)	4.99	3.85	2.98
192268CJ	✦	LM317AT	TO-220/3	3-terminal adjustable reg. (1.2V-37V)	1.75	1.25	.95
192276CJ	✦	LM317HVT	TO-220/3	3-terminal adjustable reg. (1.2V-57V)	1.99	1.77	1.31
23544CJ	✦	LM317K	TO-3/2	1.5A adj. pos. reg. (1.2V-37V)	1.75	1.49	1.12
193551CJ	✦	LM317LM	SOIC-8	100mA adj. pos. regulator (1.2V to 37V)	.35	.30	.27
23552CJ	✦	LM317LZ	TO-92	100mA adj. pos. reg. (1.2V-37V)	.23	.22	.20
23579CJ	✦	LM317T**	TO-220/3	1.5A adj. pos. reg. (1.2V-37V)	.45	.39	.34

**20 pieces included in Linear kit, pg 40 ✦ Jameco Value Offering

Voltage Regulators (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
23667CJ	✦	LM323K	TO-3/2	5V 3A positive regulator	$2.89	$2.75	$2.29
23798CJ	✦	LM337K	TO-3/2	1.5A/3 term. adj. neg. reg.	5.15	3.97	3.06
193586CJ	✦	LM337LM	SOIC-8	1.5A adj. neg. regulator (-1.2V to -37V)	.52	.46	.42
296841CJ	✦	LM337LZ	TO-92	3-terminal adj. neg. voltage reg.	.54	.465	.395
23819CJ	✦	LM337T*	TO-220/3	1.5A/adj. neg. reg. (-1.2V-37V)	.59	.55	.44
23835CJ	✦	LM338K	TO-3/2	5A adj. pos. reg. (1.2V-32V)	4.95	3.89	3.25
192284CJ	✦	LM338T	TO-220/3	5A adjustable regulator	1.99	1.49	.99
23931CJ	✦	LM350K	TO-3/2	3A/3 term. adj. pos. reg. (1.2V-33V)	4.75	3.75	2.89
23940CJ	✦	LM350T	TO-220/3	3 amp. adj. power regulator	1.09	.89	.69
239134CJ	✦	LM431ACM	SOIC-8	Programmable shunt regulator	.40	.25	.21
278248CJ	✦	TL431AILP	TO-92	Adjustable precision shunt regulator	.41	.34	.23
314069CJ	ANA	AP431AR	SOT-23	Prog. shunt regulator (5%, 2.5 - 36V)	.62	.536	.455
314051CJ	ANA	AP431AVL	TO-92	Prog. shunt regulator (5%, 2.5 - 36V)	.65	.565	.475
314018CJ	ANA	AP431V	TO-92	Prog. shunt regulator (1%, 2.5 - 36V)	.36	.31	.265
239142CJ	✦	LM431BCM	SOIC-8	Programmable shunt regulator ~~$.48~~	.42	.32	.23
251862CJ	✦	LM431CIM	SOIC-8	Adj. precision zener shunt regulator	.37	.32	.28
276525CJ	MAX	MAX637ACPA	DIP-8	Preset/Adj. output CMOS invert switching reg.	6.25	4.95	4.46
276517CJ	MAX	MAX637ACSA	SOIC-8	Preset/Adj. output CMOS invert switching reg.	6.45	4.93	3.60
214050CJ	✦	LM723CD	SOIC-14	High precision voltage regulator	.32	.27	.20
24467CJ	✦	LM723CN*	DIP-14	Voltage regulator (2V-37V)	.26	.24	.23
301719CJ	✦	LM723H	TO-5	2V - 37V, 150mA adj. voltage reg.	3.49	2.67	2.07
298071CJ	✦	MAX755CSA	SOIC-8	-5V/adj., neg. output, invert, curr. mode PWM reg.	3.85	3.65	3.46
291688CJ	✦	LT1074CT	TO-220/5	5A step down switching regulator	9.19	8.99	8.55
300185CJ	LTC	LTC1147LCS8	SOIC-8	High efficiency step down switching reg.	5.65	3.65	2.95
302279CJ	✦	LM2524DN	DIP-16	200mA regulating PWM	1.39	.99	.90
192330CJ	✦	LM2574HVN-5.0	DIP-8	Simple switcher 0.5A step down volt. reg.	3.99	2.91	2.77
192348CJ	✦	LM2574HVN-12	DIP-8	Simple switcher 0.5A step down volt. reg.	3.95	3.02	2.27
245551CJ	✦	LM2574N-ADJ	DIP-8	Simple switcher 0.5A step down volt. reg. ~~$1.29~~	.93	.83	.69
156566CJ	✦	LM2574N-5	DIP-8	Step-down 5-voltage regulator	1.49	1.27	.95
279638CJ	NSC	LM2575HVT-5.0	TO-220	Switcher 1A step down V-reg , high Vin range	4.35	3.35	3.15
279603CJ	NSC	LM2575HVT-12	TO-220	Switcher 1A step down V-reg , high Vin range	4.35	3.64	3.28
192399CJ	✦	LM2576HVT-12	TO-220/5	Switcher 3A step down V-reg , high Vin range	5.89	4.38	3.33
192381CJ	✦	LM2576HVT-5.0	TO-220/5	Switcher 3A step down V-reg , high Vin range	5.09	4.59	4.13
192372CJ	✦	LM2576HVT-ADJ	TO-220/5	Switcher 3A step down V-reg , high Vin range	5.09	3.93	3.04
245569CJ	✦	LM2576T-5.0	TO-220/5	Simple switcher 3A step down volt. reg.	2.35	1.76	1.36
120977CJ	✦	LM2576T-ADJ	TO-220/5	Simple switcher 3A step down volt. reg.	1.89	1.51	1.19
300821CJ	NSC	LM2586S-ADJ	TO-263	Simple switcher 3A flyback reg. w/ shutdown	5.95	5.15	5.06
300871CJ	NSC	LM2586S-5.0	TO-263	Simple switcher 3A flyback reg. w/ shutdown	5.95	5.15	5.06
300898CJ	NSC	LM2586S-12	TO-263	Simple switcher 3A flyback reg. w/ shutdown	5.95	5.15	5.06
300919CJ	NSC	LM2586T-ADJ	TO-220	Simple switcher 3A flyback reg. w/ shutdown	5.95	5.15	5.06
300804CJ	NSC	LM2588S-ADJ	TO-263	Simple switcher 5A flyback reg. w/ shutdown	7.75	6.20	5.55
300847CJ	NSC	LM2588T-ADJ	TO-220	Simple switcher 5A flyback reg. w/ shutdown	7.79	7.45	7.05
300759CJ	NSC	LM2592HVS-ADJ	TO-263	Simple switcher 2A step down voltage reg.	5.55	4.59	4.33
300783CJ	NSC	LM2592HVS-5.0	TO-263	Simple switcher 2A step down voltage reg.	5.55	4.59	4.33
300724CJ	NSC	LM2592HVT-ADJ	TO-220	Simple switcher 2A step down voltage reg.	5.55	4.25	3.53
300732CJ	NSC	LM2592HVT-3.3	TO-220	Simple switcher 2A step down voltage reg.	5.55	4.80	4.33
300708CJ	NSC	LM2594M-ADJ	SOIC-8	Simple switcher 0.5A step down voltage reg.	2.79	2.13	1.65
300716CJ	NSC	LM2594M-3.3	SOIC-8	Simple switcher 0.5A step down voltage reg.	2.79	2.41	2.17
192428CJ	NSC	LM2594N-ADJ	DIP-8	Simple switcher pwr. conv. 150kHz 0.5A	2.79	2.40	2.28
300695CJ	NSC	LM2594N-3.3	DIP-8	Simple switcher 0.5A step down voltage reg.	2.79	2.29	2.17
300265CJ	NSC	LM2595S-ADJ	TO-263	Simple switcher 1A step down volt. reg. ~~$4.49~~	3.65	2.79	2.39
300273CJ	NSC	LM2595S-12	TO-263	Simple switcher 1A step down voltage reg.	3.49	2.89	2.74
300775CJ	NSC	LM2595T-ADJ	TO-220	Simple switcher 1A step down voltage reg.	3.49	2.70	2.07

*10 pieces included in Linear kit, pg 40 ✦ Jameco Value Offering

Color Code Legend: New Sale Lower$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Voltage Regulators (Continued)

Package (see pg 41)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
192452CJ	NSC	LM2595T-5.0	TO-220/5	Simple switcher pwr. conv. 150kHz 1A	$1.95	$1.74	$1.59
310391CJ	NSC	LM2596S-5.0	TO-263/5	Simple switcher 3A step-down voltage reg.	3.89	2.99	2.89
290626CJ	NSC	LM2596T-ADJ	TO-220/7	Simple switcher 3A step-down voltage reg.	3.89	2.99	2.35
290642CJ	NSC	LM2596T-5.0	TO-220/7	Simple switcher 3A step-down voltage reg.	3.95	3.25	3.09
290597CJ	NSC	LM2599T-ADJ	TO-220/7	Simple switcher 3A st-dn volt. reg. w/ flags	4.69	3.58	3.22
290731CJ	NSC	LM2651MTC-ADJ	TSSOP-16	1.5A high eff. synch. switching reg.	4.05	3.85	3.69
290749CJ	NSC	LM2651MTC-3.3	TSSOP-16	1.5A high eff. synch. switching reg.	3.15	2.99	2.85
290757CJ	NSC	LM2670S-5.0	TO-263/7	5V high eff. simple switcher	4.29	3.55	3.35
312397CJ	NSC	LM2636MTC	TSSOP-20	5-bit prog. synchronous buck reg.	3.45	2.65	2.56
312389CJ	NSC	LM2653MTC-ADJ	TSSOP-16	1.5A high eff. synch. switching reg.	4.19	3.25	3.12
290765CJ	NSC	LM2672N-5.0	DIP-8	5V high eff. simple switcher, 1A load	3.79	3.15	2.96
290888CJ	NSC	LM2674M-ADJ	SOIC-8	Adjustable voltage hi efficiency switcher	2.85	2.35	2.20
290861CJ	NSC	LM2674N-5.0	DIP-8	5V high eff. simple switcher, 500mA load	2.85	2.35	2.20
291012CJ	NSC	LM2675N-ADJ	DIP-8	Simple switcher 1A step down volt. reg. pwr cvrtr	3.65	2.99	2.85
291039CJ	NSC	LM2678S-ADJ	TO-263/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05
291047CJ	NSC	LM2678T-5.0	TO-220/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05
290651CJ	NSC	LM2596S-ADJ	TO-263	Simple switcher 3A step down volt. reg.	3.89	2.99	2.28
290394CJ	NSC	LM2599S-ADJ	TO-263/7	Simple switcher 3A step down volt. reg.	4.75	3.85	3.64
290925CJ	NSC	LM2675LD-ADJ	LLP-16	Simple switcher 1A step down volt. reg. pwr cvrtr	4.59	4.35	4.15
245649CJ	✦	LM2936MP-3.3	SOT-223	Ultra-low quiescent current 3.3V reg.	3.25	2.93	1.92
107166CJ	✦	LM2936Z-5	TO-92	Ultra-low quiescent current 5V reg.	1.85	1.68	1.18
239151CJ	✦	LP2951CM	SOIC-8	Adj. micropower volt. reg. ~~$.91~~	.75	.63	.473
277077CJ	✦	LP2952IM	SOIC-16	Adj. micropower low pwr volt reg.	2.35	1.75	1.44
51246CJ	✦	7805K	TO-3/2	5V 1A pos. voltage reg. (LM340K-5)	5.15	3.95	3.06
51262CJ	✦	7805T**	TO-220/3	5V 1A pos. voltage reg. (LM340T-5)	.35	.32	.28
51182CJ	✦	78L5CZ**	TO-92	5V 100mA pos. voltage regulator	.27	.24	.22
193754CJ	✦	78L05ACM	SOIC-8	5V 100mA pos. voltage regulator	.28	.22	.19
192233CJ	✦	78M05	TO-220/3	5V 500mA pos. voltage regulator	.35	.32	.24
51297CJ	✦	7806T	TO-220/3	6V 1A pos. voltage reg. (LM340T-6)	.30	.25	.21
193762CJ	✦	78L06ACM	SOIC-8	6.2V 100mA pos. volt. reg. ~~$.29~~	.22	.15	.13
51300CJ	✦	7808CT*	TO-220/3	8V 1A pos. voltage reg. (LM340T-8)	.46	.35	.27
192225CJ	✦	78L09ACZ	TO-92	9V 100mA pos. voltage regulator	.24	.23	.17
51318CJ	✦	7812K	TO-3/2	12V 1A pos. voltage reg. (LM340K-12)	2.19	1.79	1.59
51334CJ	✦	7812T**	TO-220/3	12V 1A pos. voltage reg. (LM340T-12)	.35	.32	.28
51203CJ	✦	78L12CZ*	TO-92	12V 100mA pos. voltage regulator	✳	.19	.155
193771CJ	✦	78L12ACM	SOIC-8	12V 100mA pos. voltage regulator	.46	.35	.263
192241CJ	✦	78M12CT	TO-220/3	12V 500mA pos. voltage regulator	.31	.27	.21
51369CJ	✦	7815K	TO-3/2	15V 1A pos. voltage reg. (LM340K-15)	1.19	1.12	1.03
51377CJ	✦	7815T*	TO-220/3	15V 1A pos. voltage reg. (LM340T-15)	.28	.25	.22
193789CJ	✦	78L15ACM	SOIC-8	15V 100mA pos. voltage regulator	✳	.20	.15
192250CJ	✦	78M15CT✪	TO-220/3	15V 500mA pos. voltage regulator	.35	.28	.20
194634CJ	✦	7818T	TO-220/3	18V 1A pos. voltage reg. (LM340T-18)	.56	.44	.34
51414CJ	✦	7824T	TO-220/3	24V 1A pos. voltage reg. (LM340T-24)	.36	.34	.31
51238CJ	✦	78S40CN	DIP-16	1.25V-40V 1.5A switching regulator	1.35	1.08	.87
51457CJ	✦	7905T*	TO-220/3	5V 1A neg. voltage reg. (LM320T-5)	.42	.38	.36
51422CJ	✦	79L05ACP	TO-92	5V 100mA neg. voltage regulator	.26	.22	.165
193797CJ	✦	79L05ACM	SOIC-8	-5V 100mA neg. voltage regulator	.60	.14	.12
51449CJ	✦	79M05CT	TO-220/3	3-terminal negative regulator ~~$.84~~	.43	.37	.34
51481CJ	✦	7912CT*	TO-220/3	12V 1A neg. voltage reg. (LM320T-12)	.31	.27	.21
51431CJ	✦	79L12CZ	TO-92	12V 100mA neg. voltage regulator	.23	.21	.16
193800CJ	✦	79L12ACM	SOIC-8	-12V 100mA neg. voltage regulator	.58	.20	.18
51502CJ	✦	7915CT*	TO-220/3	15V 1A neg. voltage reg. (LM320T-15)	.32	.27	.22
194749CJ	✦	79L15ACZ	TO-92	15V 100mA neg. voltage regulator	.35	.30	.21
193818CJ	✦	79L15ACM	SOIC-8	-15V 100mA neg. voltage regulator	.40	.35	.25
316881CJ	✦	MC34063AD	SOIC-8	1.5A Step-up/down inverting switch reg.	.52	.432	.353
316945CJ	✦	MC34063AP1	DIP-8	1.5A Step-up/down inverting switch reg.	.66	.473	.437
314317CJ	ANA	AP34063N	DIP-8	1.6A adjustable voltage regulator	.75	.66	.499

*10 pieces included in Linear kit, right **20 pcs. in Linear series IC cabinet kit, right

✪ Blue Part No. = Limited Quantity Available ✦ Jameco Value Offering

Audio

Package (see pg 41)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277624CJ	✦	INA103KP	DIP-16	Low noise/distortion instr. amp.	$8.55	$7.67	$6.91
277632CJ	✦	INA103KU	SOIC-16	Low noise/distortion instr. amp.	8.55	7.67	6.91
278408CJ	✦	TPA112D	SOIC-8	150mW stereo aud. pwr amp, diff in.	.89	.75	.60
310560CJ	✦	TPA122D	SOIC-8	150mW stereo aud. pwr amp, sgl in./ch.	.98	.83	.75

✦ Jameco Value Offering

Audio (Continued)

Package (see pg 41)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
243678CJ	ADI	OP275GP	DIP-8	Dual JFET audio op amp.	$1.95	$1.62	$1.52
243660CJ	ADI	OP275GS	SOIC-8	Dual JFET audio op amp	1.85	1.52	1.16
24037CJ	NSC	LM380N	DIP-14	2-watt audio power amp.	.94	.87	.63
24088CJ	NSC	LM383T	TO-220/5	7-watt audio high power amp.	5.95	5.39	4.95
24096CJ	✦	LM384N	DIP-14	5-watt audio amp.	1.45	1.17	.87
193623CJ	✦	LM386M-1	SOIC-8	Low volt. audio power amp. 250mW/12V	.31	.28	.24
24125CJ	✦	LM386N-1*	DIP-8	Low voltage audio amp. 250mW/6V	.48	.35	.29
24133CJ	✦	LM386N-3*	DIP-8	Low voltage audio amp. 500mW/9V	.69	.59	.49
24483CJ	✦	LM725CN	DIP-8	Instrumentation op amplifier	2.39	1.84	1.42
279697CJ	✦	LM833D	SOIC-8	Dual audio op amp.	.41	.36	.32
120942CJ	✦	LM833N	DIP-8	Dual audio op amp.	.71	.57	.43
295718CJ	NSC	LM1203N	DIP-28	RGB video amp	4.55	4.09	3.69
24942CJ	ON	MC1350P	DIP-8	Video IF amp (12V operation)	1.95	1.85	1.75
23270CJ	NSC	LM1875T	TO-220/5	20-watt power audio amplifier	1.45	1.39	1.19
355477CJ	NSC	LM1875TSL	TO-220/5	20-watt audio power amplifier	1.12	1.03	1.02
245534CJ	NSC	LM1877M-9	SOIC-14	Dual audio power amplifier	1.39	1.04	.76
23288CJ	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	.95	.84	.61
245542CJ	NSC	LM1881M	SOIC-8	Video synchronous separator	2.69	2.04	1.57
107140CJ	NSC	LM1881N	DIP-8	Video synchronous separator	2.69	2.05	1.55
243547CJ	NSC	LM1894N	DIP-14	DNR noise reduction	3.15	2.80	2.34
302519CJ	NSC	LM1971M	SOIC-8	Audio attenuator with mute	2.35	1.79	1.65
302447CJ	NSC	LM1972M	SOIC-20	2-channel audio attenuator	4.15	3.18	2.89
302421CJ	NSC	LM1972N	DIP-20	2-channel audio attenuator	4.55	3.69	3.50
32897CJ	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	3.55	3.18	2.87
315344CJ	✦	TDA2040V	PWAT-5	20W hi-fi audio power amp	2.45	2.25	2.14
275830CJ	ADI	OPA2134PA	DIP-8	High-performance audio op amp.	2.39	1.93	1.67
275821CJ	ADI	OPA2134UA	SOIC-8	High-performance audio op amp.	2.25	2.02	1.82
312063CJ	✦	SSM2141P	DIP-8	High common-mode rejection diff. line rec	3.19	2.79	2.69
252013CJ	NSC	LM3875T	TO-220/11	56W high perf. audio power amp.	5.19	4.11	3.70
126834CJ	NSC	LM3876T	TO-220/11	40W high perf. audio amp w/ mute	4.75	3.66	2.82
320670CJ	NSC	LM3886TF	TO-220/11	68W high perf. audio amp, isol. pkg.	4.55	3.49	2.70
192516CJ	NSC	LM3886T	TO-220/11	68W high perf. audio amp	4.35	3.32	2.57
302201CJ	NSC	LM4752T	TO-220	Stereo 11W audio power amp	2.45	1.82	1.35
302199CJ	NSC	LM4860M	SOIC-16	1W audio power amp w/ shutdown mode	1.59	1.19	.88
267047CJ	NSC	LM4864M	SOIC-8	725mW audio pwr amp w/ shutdown mode	1.45	1.06	.78
302181CJ	NSC	LM4871M	SOIC-8	3W audio power amp w/ shutdown mode	1.45	1.09	.80
316873CJ	✦	MC34119D	SOIC-8	LP audio amp (500mW, 16VDC)	.93	.71	.54
316865CJ	✦	MC34119P	DIP-8	LP audio amp (500mW, 16VDC)	1.02	.66	.61

*10 pieces included in Linear kit, below ✦ Jameco Value Offering

Comparators

Package (see pg 41)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
311052CJ	NSC	LM111H	TO-5/8	Voltage comparator	$3.39	$2.60	$2.01
311044CJ	NSC	LM111J-8	DIP-8	Voltage comparator	4.35	3.32	3.20
282061CJ	✦	LM139D	SOP-14	Low pwr, low offset volt quad comp.	.95	.80	.65
282087CJ	✦	LM139J	CDIP-14	Low pwr, low offset volt quad comp.	2.29	1.74	1.30
302501CJ	NSC	LM193H	TO-5	Dual low-power comparator	4.65	3.55	2.78
302391CJ	✦	LM211D	SOIC-8	Hi-speed, strobed diff. comparator	.39	.315	.28
302383CJ	✦	LM211P	DIP-8	Hi-speed, strobed diff. comparator	.26	.23	.185

✦ Jameco Value Offering

Linear and Interface IC Kit

SAVE $60

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05CZ, 7812T

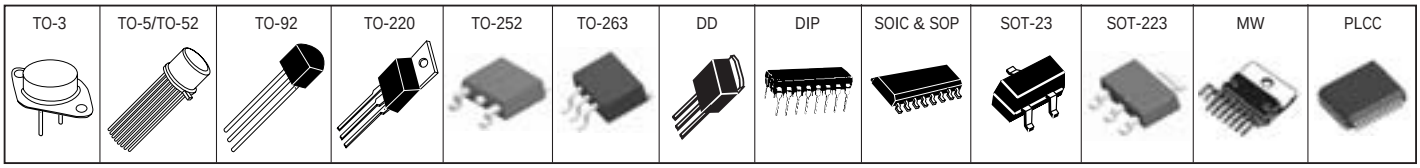


84988CJ

Part No.	Description	Wt. (lbs.)	1	10
84988CJ	480 pcs. (40 types) analog IC kit	6.0	$182.95	$164.65
130411CJ	Refill for 84988CJ (480 pcs.)	1.3	169.95	145.95

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Manufacturer Cross Reference Table

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Anachip	ANA	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Jameco Value Offering	✦

Comparators (Continued)

Package (see above)

✳ Prepackaged: order in increments of 10 or 100

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
302367CJ	✦	LM219D	SOIC-14	Dual high speed voltage comparator	$.85	$.79	$.74
302287CJ	✦	LM239D	SOIC-14	Low power low offset volt quad comp	.28	.26	.245
212126CJ	✦	LM239N	DIP-14	Low power low offset volt quad comp	.40	.31	.22
213188CJ	✦	LM306N	DIP-8	Differential comparator w/ strobes	.69	.57	.43
193543CJ	✦	LM311D	SOIC-8	Voltage comparator	.22	.20	.185
23528CJ	✦	LM311N*	DIP-8	Voltage comparator	.35	.25	.19
251918CJ	✦	LP311D	SOIC-8	Voltage comparator	.76	.64	.52
239193CJ	✦	LP311P	DIP-8	Differential comparator	.76	.65	.48
245690CJ	✦	LM319M	SOIC-14	High speed dual comparator	.37	.32	.235
23632CJ	✦	LM319N	DIP-14	High speed dual comparator	.41	.36	.27
246537CJ	✦	LM339AM	SOIC-14	Low power low offset volt quad comp	.37	.315	.28
143888CJ	✦	LM339AN	DIP-14	Low power quad comparator	.29	.23	.193
193594CJ	✦	LM339M	SOIC-14	Low power low offset volt quad comp	.27	.23	.185
23851CJ	✦	LM339N**	DIP-14	Quad comparator	✳	.19	.165
251977CJ	✦	LP339M	SOIC-14	Ultra-low power quad comparator	.74	.54	.40
121099CJ	✦	LP339N	DIP-14	Quad low power comparator	.38	.365	.305
312047CJ	TI	TLC372CD	SOIC-8	LinCMOS dual differential comp	.76	.64	.515
312055CJ	TI	TLC372CP	DIP-8	LinCMOS dual differential comp	.76	.61	.515
314712CJ	✦	TLC374CD	SOP-14	LinCMOS quad differential comp	.85	.71	.62
314704CJ	✦	TLC374CN	DIP-14	LinCMOS quad differential comp ~~$.84~~	.76	.64	.51
310404CJ	✦	TS374IN	DIP-14	Quad low power CMOS volt comp	.93	.80	.72
246633CJ	✦	LM392M	SOIC-8	Low power op amp/volt comp	1.09	1.01	.73
120900CJ	✦	LM392N	DIP-8	Low power op amp/volt comp	1.35	1.00	.75
246641CJ	✦	LM393AM	SOIC-8	Low pwr low offset volt dual comp	.30	.25	.22
212177CJ	✦	LM393AN	DIP-8	Low pwr low offset volt dual comp	✳	.175	.135
193631CJ	✦	LM393D	SOIC-8	Low pwr offset voltage dual comp	.33	.19	.14
24281CJ	✦	LM393N*	DIP-8	Dual comparator	.20	.18	.17
277093CJ	✦	LMV393M	SOIC-8	Low volt general purpose dual comp	.85	.63	.46
315328CJ	✦	TL712CD	SOIC-8	Differential comparator	1.25	1.06	.86
214041CJ	TI	TL712CP	DIP-8	Differential comparator	1.15	.54	.49
278256CJ	TI	TL714CP	DIP-8	High speed differential comparator	2.65	2.39	2.15
277173CJ	NSC	LMC7211AIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	1.65	1.21	.90
277190CJ	NSC	LMC7211BIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	1.65	1.21	.85
277114CJ	NSC	LMC7221AIM	SOIC-8	Comp w/ rail-to-rail input, open drain output	1.89	1.42	1.08
297844CJ	✦	MAX902CSD	SOIC-14	Hi-speed low pwr precision volt comp	9.45	7.63	6.87
291143CJ	LTC	LT1016CN-8	DIP-8	Fast precision comparator 10ns	4.99	3.55	3.45
312266CJ	LTC	LT1016CS8	SOIC-8	Ultra-fast precision 10ns comparator	4.89	3.55	2.76
310279CJ	TI	TLV2352ID	SOIC-8	LinCMOS dual low volt diff comp	1.69	1.55	1.49
280006CJ	TI	TLV2354IN	DIP-14	LinCMOS quad low volt diff comp	2.85	2.56	2.31
245577CJ	✦	LM2901M	SOIC-14	Low pwr low offset volt quad comp	.30	.25	.20
23296CJ	✦	LM2901N	DIP-14	Quad comparator	.25	.21	.156
245614CJ	✦	LM2903M	SOIC-14	Low power low offset volt dual comp	.28	.25	.22
23309CJ	✦	LM2903N	DIP-8	Low power low offset volt dual comp	.31	.27	.21
311036CJ	TI	TL3016CD	SOIC-8	Ultra-fast low pwr precision comp	1.85	1.47	1.12
278213CJ	TI	TL3016ID	SOIC-8	Ultra-fast low pwr precision comp	2.25	2.03	1.83
278230CJ	TI	TL3116CD	SOP-8	Ultra-fast low pwr precision comp	1.89	1.68	1.51
278221CJ	TI	TL3116ID	SOP-8	Ultra-fast low pwr precision comp	1.99	1.80	1.62
245711CJ	✦	LM3302D	SOIC-14	Low pwr low offset volt quad comp	.49	.37	.285
107238CJ	✦	LM3302N	DIP-14	Low pwr low offset volt quad comp	.48	.43	.36
309964CJ	✦	TLC3704CD	SOIC-14	LinCMOS Quad micro volt comp	.99	.82	.68
280137CJ	✦	TLC3704CN	DIP-14	Quad uPwr LinCMOS volt comp	1.09	.92	.84
277202CJ	NSC	LMC6772AIM	SOIC-8	Dual uPwr rail-to-rail input w/ open drain output	2.75	2.10	1.63

*10 pcs. in Linear series IC cabinet kit, pg 40 **20 pcs. in Linear series IC cabinet kit, pg 40
✦ Jameco Value Offering

Buffers

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
23051CJ	✦	LH0002CN	DIP-10	General purpose buffer	$12.25	$10.25	$7.95
313277CJ	✦	ZXBF05N14	SOIC-14	4-CH buffer w/ high cap load	2.75	2.44	2.19
277552CJ	TI	BUF634P	DIP-8	250mA high speed buffer	5.89	5.31	4.78
277544CJ	TI	BUF634T	TO-220	250mA high speed buffer	7.85	7.60	6.35
277579CJ	TI	BUF634U	SOIC-8	250mA high speed buffer	5.89	5.33	4.79
300249CJ	LTC	LT1010CN8	DIP-8	150mA high speed buffer	4.35	4.25	4.05

✦ Jameco Value Offering

Op Amps

SALE

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
193471CJ	✦	OP07CD✪	SOIC-8	Very low offset single bipolar op amp	$.62	$.34	$.31
27852CJ	✦	OP07CP	DIP-8	Ultra-low offset voltage op amp	.61	.59	.56
252988CJ	✦	OP07DP	DIP-8	Very low offset single bipolar op amp	.62	.52	.42
23106CJ	✦	LM10CLN	DIP-8	Low voltage (1.1 volt) op amp	1.95	1.79	1.65
120715CJ	✦	LM10CN	DIP-8	Op amp and voltage reference	2.49	1.92	1.49
120723CJ	NSC	LM12CLK	TO-3/4	80W op amp	23.45	21.10	18.99
213090CJ	✦	TL022CP	DIP-8	Dual low power op amp ~~$.99~~	.64	.58	.53
252996CJ	✦	OP27EZ	CDIP-8	Low noise hi spd prec op amp ~~$13.65~~	12.25	11.60	11.02
115300CJ	✦	OP27EP	DIP-8	Low noise precision op amp	4.19	3.85	3.24
115318CJ	✦	OP27GP	DIP-8	Low noise prec op amp (-40˚ to 80˚C)	2.09	1.69	1.27
275805CJ	TI	OPA27GP	DIP-8	Ultra-low noise precision op amp	2.19	1.98	1.79
275784CJ	TI	OPA27GU	SOIC-8	Ultra-low noise precision op amp	2.35	2.09	1.89
253032CJ	✦	TL031CD	SOIC-8	Enhanced JFET low pwr/offset op amp	.78	.66	.53
213102CJ	✦	TL031CP	DIP-8	Enhanced JFET low pwr/offset op amp	.71	.60	.49
279671CJ	✦	TL032ACP	DIP-8	Enhanced JFET low pwr/offset op amp	1.85	1.67	1.51
253059CJ	✦	TL032CD	SOIC-8	Enhanced JFET low pwr/offset op amp	.99	.89	.67
213111CJ	✦	TL032CP	DIP-8	Enhanced JFET low pwr/offset op amp	.74	.69	.64
253235CJ	✦	TL034CD	SOIC-14	Enhanced JFET low pwr/offset op amp	1.12	.91	.83
214068CJ	✦	TL034CN	DIP-14	Enhanced low pwr/offset op amp	1.05	.84	.64
275768CJ	✦	OPA37GP	DIP-8	Ultra-low noise precision op amp	2.45	2.19	1.97
275750CJ	✦	OPA37GU	SOIC-8	Ultra-low noise precision op amp	2.45	2.19	1.97
213129CJ	✦	TL052ACP	DIP-8	Enh. JFET low offset op amp ~~$4.79~~	3.95	3.56	3.24
309981CJ	✦	TL052CD	SOIC-8	Dual Enhanced JFET prec op amp	1.49	1.21	.91
253243CJ	✦	TL054ACD	SOIC-14	Enhanced JFET low offset op amp	5.39	4.83	4.35
213153CJ	✦	TL054ACN✪	DIP-14	Enhanced JFET low offset op amp	1.99	1.82	1.65
213145CJ	✦	TL054CN	DIP-14	Enh. JFET low offset op amp ~~$1.29~~	.77	.70	.63
213137CJ	✦	TL061ACP	DIP-8	Low power JFET input op amp ~~$.61~~	.34	.31	.28
242106CJ	✦	TL061IP	DIP-8	Low power JFET op amp	.79	.62	.45
252283CJ	✦	TL062ACD	SOIC-8	Low power JFET input op amp ~~$.66~~	.58	.44	.37
33161CJ	✦	TL062CP	DIP-8	Low power JFET op amp (high slew)	.27	.25	.188
253104CJ	✦	TL064BCD	SOIC-14	Low power JFET input op amp	.69	.58	.47
253139CJ	✦	TL064BCN	DIP-14	Low power JFET input op amp	.69	.58	.47
33179CJ	✦	TL064CN	DIP-14	Low power JFET input op amp	.56	.45	.345
213081CJ	✦	TL071ACP	DIP-8	Low noise JFET input op amp ~~$.59~~	.36	.33	.30
33187CJ	✦	TL071CP	DIP-8	Low noise JFET op amp	.27	.25	.23
278264CJ	✦	TLC071CD	SOIC-8	Wide-band, high-output drive op amp	1.09	.94	.75
278272CJ	✦	TLC071IP	DIP-8	Wide-band, high-output drive op amp	1.19	.99	.80
213073CJ	✦	TL072ACP	DIP-8	Low noise JFET input op amp	.53	.36	.26
253147CJ	✦	TL072BCP	DIP-8	Low noise JFET input op amp	.70	.59	.48
193501CJ	✦	TL072CD	SOIC-8	Low noise JFET dual op amp	.39	.33	.25
33195CJ	✦	TL072CP*	DIP-8	Low noise JFET dual op amp	.26	.25	.24
278299CJ	✦	TLC072CD	SOIC-8	Wide-band, high-output drive op amp	1.45	1.12	1.06
278281CJ	✦	TLC072CP	DIP-8	Wide-band, high-output drive op amp	1.39	1.12	.84
213065CJ	✦	TL074BCN	DIP-14	Low noise JFET input op amp	.51	.45	.38
193519CJ	✦	TL074CD	SOIC-8	Low noise JFET quad op amp	.60	.42	.17

*10 pcs. in Linear series IC cabinet kit, pg 40 ✪ Blue Part No. = Limited Quantity Available
✦ Jameco Value Offering

Color Code Legend
New Sale Lower$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Op Amps (Continued)

Package (see pg 43)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
33216CJ	✦	TL074CN*	DIP-14	Low noise JFET quad op amp	$.48	$.43	$.345
278336CJ	✦	TLC074CD	SOIC-14	Wide-band, high-output drive	1.95	1.64	1.43
278328CJ	✦	TLC074CN	DIP-14	Wide-band, high-output drive	1.95	1.64	1.43
278352CJ	✦	TLC080AIP	DIP-8	Wide-band, high-out drive, impr. offset	1.19	.96	.82
278344CJ	✦	TLC080IP	DIP-8	Wide-band, high-output drive	1.19	.96	.82
213057CJ	✦	TL081ACP	DIP-8	JFET input op amp, low offset w/ control	.51	.45	.37
253155CJ	✦	TL081CD	SOIC-8	JFET input op amp	.39	.30	.23
33232CJ	✦	TL081CP	DIP-8	JFET input op amp, offset control	.31	.30	.26
214076CJ	✦	TL082ACP	DIP-8	JFET input op amp, low offset	.30	.29	.28
253198CJ	✦	TL082BCP	DIP-8	JFET input op amp, lowest offset	.56	.42	.36
193527CJ	✦	TL082CD	SOIC-8	JFET input dual op amp	.35	.30	.227
33241CJ	✦	TL082CP*	DIP-8	JFET input dual op amp	.53	.40	.30
214084CJ	✦	TL084ACN	DIP-14	JFET input op amp	.49	.45	.38
253219CJ	✦	TL084BCD	SOIC-14	JFET input op amp	.70	.63	.58
193535CJ	✦	TL084CD	SOIC-14	JFET input quad op amp	.43	.41	.39
33267CJ	✦	TL084CN*	DIP-14	JFET input quad op amp	.43	.40	.37
282626CJ	✦	LM124D	SOIC-14	Low power quad op amp mil temp	1.19	1.13	1.05
126818CJ	✦	LM124J	CDIP-14	Low power quad op amp. mil temp	2.19	1.69	1.31
276488CJ	TI	OPA124U	SOIC-8	Low noise prec. DiFET op amp	8.45	7.59	6.85
276496CJ	TI	OPA124UA	SOIC-8	Low noise prec. DiFET op amp, low offset	9.99	9.02	8.15
275856CJ	TI	OPA130UA	SOIC-8	Low power precision FET input	2.99	2.69	2.42
243686CJ	✦	OPA137PA	DIP-8	FET op amp	1.39	1.31	1.25
243694CJ	✦	OPA137UA	SOIC-8	FET input op amp	1.59	1.48	1.41
302480CJ	✦	LM158H	TO-5	Low power dual op amp	4.39	3.39	2.61
302412CJ	✦	LM201AD	SOIC-8	Op amp industrial temp	.52	.49	.47
302404CJ	✦	LM201AN	DIP-8	Op amp industrial temp	.62	.58	.54
302341CJ	✦	LM224D	SOIC-14	Low power quad industrial temp	.28	.265	.245
302359CJ	✦	LM224J	CDIP-14	Low power quad industrial temp	1.65	1.40	1.32
212118CJ	✦	LM224N	DIP-14	Low power quad industrial temp	.28	.26	.22
275813CJ	TI	OPA234UA	SOIC-8	Low pwr precision single supply	2.15	1.92	1.73
315230CJ	✦	TLC252BCD	SOIC-8	LinCMOS dual op amp	2.19	1.95	1.48
315221CJ	✦	TLC252BCP	DIP-8	LinCMOS dual op amp	2.19	2.16	2.14
302261CJ	✦	LM258D	SOIC-8	Low pwr dual op amp industrial temp	.26	.25	.23
212142CJ	✦	LM258N	DIP-8	Low pwr dual op amp industrial temp	.25	.235	.22
279742CJ	TI	TLC271CD	SOIC-8	LinCMOS prog low pwr op amp	.83	.63	.48
279734CJ	TI	TLC271CP	DIP-8	LinCMOS prog low pwr op amp	.55	.50	.45
279806CJ	✦	TLC272CD	SOIC-8	LinCMOS prec. dual op amp	.79	.60	.45
143917CJ	✦	TLC272CP	DIP-8	LinCMOS prec. dual op amp	.72	.55	.41
280233CJ	TI	TLC27L2CD	SOIC-8	LinCMOS prec. dual op amp, high gain	.68	.57	.46
280225CJ	TI	TLC27L2CP	DIP-8	LinCMOS prec. dual op amp, high gain	.56	.51	.42
280188CJ	TI	TLC27M2CD	SOIC-8	LinCMOS prec. dual op amp, med. gain	.68	.57	.46
280170CJ	TI	TLC27M2CP	DIP-8	LinCMOS prec. dual op amp, med. gain	.68	.57	.46
301313CJ	TI	TLC27M4CN	DIP-14	LinCMOS prec. quad op amp, med. gain	.89	.87	.83
242000CJ	✦	TLC274ACN	DIP-14	Quad precision op amp, low offset	.79	.66	.60
242018CJ	✦	TLC274BCN	DIP-14	Quad precision op amp, lower offset	1.05	.95	.86
242026CJ	✦	TLC274CN	DIP-14	CMOS precision quad op amp	.57	.53	.445
242034CJ	✦	TLC274IN	DIP-14	Quad CMOS op amp	.72	.60	.49
280217CJ	TI	TLC27L4CD	SOIC-14	LinCMOS prec. quad op amp, high gain	.81	.68	.55
280209CJ	TI	TLC27L4CN	DIP-14	LinCMOS prec. quad op amp, high gain	.60	.55	.47
280161CJ	TI	TLC27M4CD	SOIC-14	LinCMOS prec. quad op amp, med. gain	.81	.68	.55
312784CJ	✦	TLC277CD	SOIC-8	LinCMOS prec. dual op amp, low offset	1.49	1.37	1.31
280241CJ	✦	TLC277CP	DIP-8	Prec. dual op amp, low offset	1.55	1.23	.98
280196CJ	TI	TLC27L7CD	SOIC-8	Prec. dual op amp, high gain, low offset	1.39	1.24	1.12
280145CJ	TI	TLC27M7CD	SOIC-8	Prec. dual op amp, med. gain, low offset	1.39	1.24	1.12
280153CJ	TI	TLC27M7CP	DIP-8	Prec. dual op amp, med. gain, low offset	1.39	1.24	1.12
245665CJ	✦	LM301AH	TO-5/8	Operational amplifier	2.15	1.64	1.27
212151CJ	✦	LM301AN	DIP-8	Operational amplifier	.47	.42	.38
245673CJ	✦	LM308AH	TO-5/8	Precision op amplifier	3.29	2.51	1.95
23464CJ	✦	LM308N*	DIP-8	Precision op amplifier	4.49	3.99	3.49
245681CJ	✦	LM318M	SOIC-8	Precision high speed op amplifier	1.15	.85	.64
23608CJ	✦	LM318N	DIP-8	Precision high speed op amplifier	.59	.54	.48
245702CJ	✦	LM324AM	SOIC-14	Low power quad op amp, impr. offset	.27	.23	.20
212169CJ	✦	LM324AN	DIP-14	Low power quad op amp, impr. offset	.25	.23	.20
86721CJ	✦	LM324D	SOIC-14	Low power quad op amplifier	.23	.20	.18
23683CJ	✦	LM324N**	DIP-14	Low power quad op amplifier	.28	.24	.21
192559CJ	✦	LP324N	DIP-14	Micropower quad op amplifier	.79	.59	.45

*10 pcs. in Linear series IC cabinet kit, pg 40 **20 pcs. in Linear series IC cabinet kit, pg 40
✦ Jameco Value Offering

Op Amps (Continued)

Package (see pg 43)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
241963CJ	✦	LMV324M	SOIC-14	Low voltage, general purpose	$.67	$.60	$.54
245438CJ	✦	LF347BD	SOIC-14	Quad JFET input (wide B/W, impr. offset)	1.35	1.18	1.07
245420CJ	✦	LF347M	SOIC-14	Quad JFET input (wide bandwidth)	.68	.61	.48
22904CJ	✦	LF347N	DIP-14	Quad JFET input op amp (wide band)	.36	.30	.28
275776CJ	✦	OPA347PA	DIP-8	Micropower rail-to-rail op amp	1.25	1.06	.86
246570CJ	✦	LM348M	SOIC-14	Quad 741 op amplifier	.77	.57	.42
23915CJ	✦	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.37	.30	.21
22912CJ	✦	LF351N	DIP-8	BIFET op amplifier	.39	.35	.29
245518CJ	✦	LF353D	SOIC-8	Dual JFET input (wide bandwidth)	.37	.30	.23
22939CJ	✦	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.37	.35
193607CJ	✦	LF356M	SOIC-8	JFET input op amplifier (wide band)	.77	.65	.49
22971CJ	✦	LF356N*	DIP-8	JFET input op amplifier (wide band)	.79	.67	.49
22998CJ	✦	LF357N	DIP-8	JFET input op amp (wide band decom.)	2.55	2.33	1.70
246588CJ	✦	LM358AM	SOIC-8	Low power dual op amp., impr. offset	.23	.22	.20
120862CJ	✦	LM358AN	DIP-8	Low power dual (improved 358N)	.29	.25	.23
193615CJ	✦	LM358D	SOIC-8	Low power dual op amplifier	.21	.18	.13
23966CJ	✦	LM358N*	DIP-8	Low power dual op amplifier	.27	.23	.20
277106CJ	✦	LMV358M	SOIC-8	Low volt rail-to-rail output dual	.85	.64	.46
276736CJ	✦	MAX410CPA	DIP-8	Single 28MHz low noise, low volt prec	5.29	4.20	3.79
119941CJ	✦	LF411ACN	DIP-8	Low offset low drift JFET input	2.95	2.62	2.00
23018CJ	✦	LF411CN*	DIP-8	Low offset drift JFET input op amp	1.21	.90	.66
193640CJ	✦	LF412CD✪	SOIC-8	Low offset drift JFET input dual	~~$.70~~ .27	.24	.22
23026CJ	✦	LF412CN*	DIP-8	Low offset drift JFET input dual	1.03	.76	.56
106681CJ	✦	LF442CN	DIP-8	Dual low power JFET input op amp	1.35	.99	.73
119984CJ	✦	LF444ACN	DIP-14	Quad low pwr JFET input op amp, low Vos	1.99	1.85	1.78
119992CJ	✦	LF444CN	DIP-14	Quad low pwr JFET input op amp	1.45	1.09	.79
312805CJ	ADI	OP467GP	DIP-14	Quad precision high speed op amp	12.09	11.48	10.91
312813CJ	ADI	OP467GS	SOIC-16	Quad precision high speed op amp	9.89	8.52	7.49
276613CJ	MAX	MAX474CSA	SOIC-8	Dual 10MHz single supply op amp	5.09	4.03	3.63
276541CJ	MAX	MAX492CPA	DIP-8	Dual upwr, single supply rail-to-rail	5.09	4.05	3.63
276533CJ	MAX	MAX492CSA	SOIC-8	Dual upwr, single supply rail-to-rail	5.09	3.86	2.50
311773CJ	MCH	MCP601-I/P	DIP-8	2.8MHz, 2.7V-5.5V single supply CMOS	.60	.55	.525
311749CJ	MCH	MCP602-I/P	DIP-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.72	.71	.68
311765CJ	MCH	MCP602-I/SN	SOIC-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.77	.71	.68
311731CJ	MCH	MCP603-I/P	DIP-8	Single w/ CS, 2.8MHz, 2.7V-5.5V single CMOS	.63	.58	.551
311239CJ	MCH	MCP6S21-I/P	DIP-8	1-ch PGA low-gain single-ended rail-to-rail I/O	1.69	1.65	1.60
311255CJ	MCH	MCP6S22-I/P	DIP-8	2-ch PGA low-gain single-ended rail-to-rail I/O	1.95	1.89	1.82
311247CJ	MCH	MCP6S22-I/SN	SOIC-8	2-ch PGA low-gain single-ended rail-to-rail I/O	2.09	1.99	1.89
310367CJ	ADI	AD626AN	DIP-8	Low-cost single supply diff amplifier	5.75	5.69	5.35
313314CJ	ADI	AD626AR	SOIC-8	Low-cost single supply diff amplifier	5.95	5.62	5.34
311221CJ	MCH	MCP6S28-I/P	DIP-8	8-ch prog. low-gain sngl-ended rail-to-rail I/O	3.35	3.18	3.03
267266CJ	✦	LMC660CM	SOIC-14	CMOS quad operational amplifier	1.45	1.08	.81
143976CJ	✦	LMC660CN	DIP-14	CMOS quad operational amplifier	1.65	1.23	.91
120926CJ	✦	LM675T	TO-220/5	Power op amplifier	~~$6.19~~ 4.75	4.02	3.98
24491CJ	✦	LM733CN	DIP-14	Differential amplifier	1.15	.99	.89
24521CJ	✦	LM741CH	TO-5/8	Op amplifier	2.75	2.10	1.62
24539CJ	✦	LM741CN**	DIP-8	Op amplifier	.29	.25	.19
24563CJ	✦	LM747CN	DIP-14	Dual 741 op amplifier	4.19	3.85	3.39
299938CJ	✦	LM747H	TO-10	Dual op amplifier	3.79	3.29	3.07
311132CJ	ADI	AD811AN	DIP-8	High performance video op amp	5.75	5.24	4.84
311087CJ	ADI	AD812AN	DIP-8	Dual low power current feedback	5.29	5.19	4.92
277085CJ	NSC	LMV824M	SOIC-14	5MHz quad low pwr, low volt, rail-to-rail	1.09	.97	.92
246668CJ	NSC	LM837M	SOIC-14	Low noise quad operational amp	1.02	.80	.75
143896CJ	NSC	LM837N	DIP-14	Low noise quad operational amp	1.35	1.12	.82
239222CJ	LTC	LT1001CN8	DIP-8	Precision op amplifier	~~$3.25~~ 2.05	1.65	1.30
239231CJ	LTC	LT1002CN	DIP-14	Dual matched precision op amp	4.75	3.22	2.74

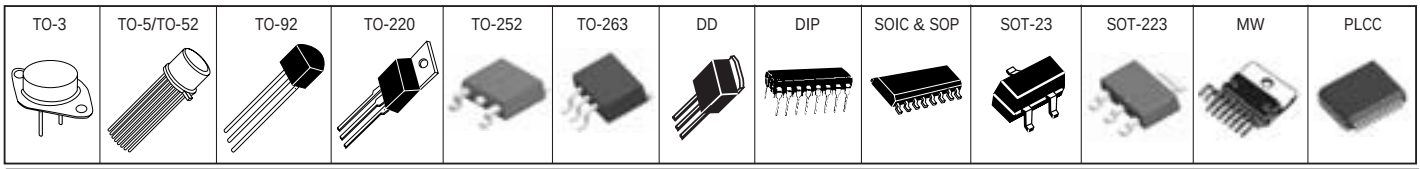
✪ Blue Part No. = Limited Quantity Available ✦ Jameco Value Offering
*10 pcs. in Linear series IC cabinet kit, pg 40 **20 pcs. in Linear series IC cabinet kit, pg 40

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Manufacturer Cross Reference Table

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Anachip	ANA	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Jameco Value Offering	✦

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
239214CJ	LTC	LT1006CN8	DIP-8	Precision op amplifier	$2.65	$1.83	$1.52
300231CJ	LTC	LT1007CS8	SOIC-8	Low noise high speed precision	3.75	2.53	2.00
239273CJ	LTC	LT1012CN8	DIP-8	Picoamp input curr, microvolt offset, low noise	4.35	3.32	2.57
239169CJ	✦	LT1013CP	DIP-8	Dual precision op amplifier	1.25	1.10	1.00
252005CJ	✦	LT1013DD	SOIC-8	Dual precision op amplifier	.79	.66	.54
239177CJ	✦	LT1014DN	DIP-14	Quad precision op amplifier	3.29	2.99	2.89
300193CJ	LTC	LTC1050CN8	DIP-8	Precision zero-drift w/ int. cap	3.65	2.48	2.09
300169CJ	LTC	LTC1051CN8	DIP-8	Dual precision zero-drift w/ int. cap	7.45	7.25	6.91
193682CJ	✦	LM1458M	SOIC-8	Dual op amplifier	.26	.22	.16
23131CJ	✦	LM1458N*	DIP-8	Dual op amplifier	.29	.26	.20
302498CJ	✦	LM1815N-ND	DIP-14	Adaptive variable sensor amp	3.19	2.45	1.89
310172CJ	TI	TLE2021CD	SOIC-8	Excalibur hi speed low pwr prec	1.05	.86	.79
280129CJ	TI	TLE2021CP	DIP-8	Excalibur hi speed low pwr prec	1.09	.92	.74
310236CJ	TI	TLE2022CD	SOIC-8	Excal hi spd LP dual prec op amp	1.69	1.39	1.30
280111CJ	TI	TLE2022CP	DIP-8	Excal hi spd LP dual prec op amp	1.45	1.30	1.17
280102CJ	TI	TLE2024CDW	SOIC-16	Excal hi spd LP quad prec op amp	2.85	2.56	2.29
280090CJ	TI	TLE2024CN	DIP-14	Excal hi spd LP quad prec op amp	2.79	2.53	2.28
310658CJ	TI	TLE2027CD	SOIC-8	Excal hi spd LP low offset prec op amp	1.75	1.65	1.55
310682CJ	TI	TLE2072CD	SOIC-8	Excalibur low noise hi speed JFET input	2.05	1.74	1.31
310674CJ	TI	TLE2072CP	DIP-8	Excalibur low noise hi speed JFET input	1.89	1.85	1.77
275848CJ	TI	OPA2131UJ	SOIC-8	General purpose FET-input op amp	2.89	2.59	2.34
279996CJ	TI	TLV2450CP	DIP-8	Rail-to-rail I/O op amp w/ shutdown	1.25	1.01	.75
279988CJ	TI	TLV2451CD	SOIC-8	Rail-to-rail I/O op amp	1.29	1.15	1.04
279970CJ	TI	TLV2451CP	DIP-8	Rail-to-rail I/O op amp	1.15	1.00	.90
272209CJ	TI	TLV2454CD	SOIC-14	4-ch r-r I/O op amp	1.95	1.76	1.59
279961CJ	TI	TLV2454CN	DIP-14	4-ch r-r I/O op amp	2.05	1.83	1.64
310308CJ	TI	TLV2474CD	SOIC-14	Quad LP r-r input/output w/ shtdwn	2.09	1.79	1.73
279945CJ	TI	TLV2474CN	DIP-14	2.8MHz r-r I/O hi drive w/shtdwn	2.05	1.74	1.57
279953CJ	TI	TLV2474IN	DIP-14	2.8MHz r-r I/O hi drive w/shtdwn, ext. temp.	2.15	1.83	1.64
315096CJ	✦	TLC27L2BCD	SOIC-8	LinCMOS precision dual op amp	.75	.69	.68
315088CJ	✦	TLC27L2BCP	DIP-8	LinCMOS precision dual op amp	.69	.58	.47
315061CJ	✦	TLC27L4ACD	SOIC-14	LinCMOS precision quad op amp	.79	.66	.538
315053CJ	✦	TLC27L4ACN	DIP-14	LinCMOS precision quad op amp	.71	.60	.57
245606CJ	✦	LM2902M	SOIC-14	Low power quad op amplifier	.27	.24	.19
57007CJ	✦	LM2902N	DIP-14	Low power quad op amplifier	.25	.23	.22
245622CJ	✦	LM2904M	SOIC-8	Low power dual op amplifier	.25	.23	.20
121005CJ	✦	LM2904N	DIP-8	Low power dual op amplifier	.22	.20	.19
278141CJ	TI	THS3001CD	SOIC-8	420MHz hi-speed curr. feedback	5.89	5.32	4.79
12116CJ	✦	CA3080E	DIP-8	Op transconductance amp (100135)	1.99	1.79	1.60
12183CJ	✦	CA3130E	DIP-8	CMOS op amplifier	.81	.78	.71
12204CJ	✦	CA3140E	DIP-8	Bi-MOS op amplifier	.59	.55	.51
246721CJ	✦	MC3303D	SOIC-14	Quad op amplifier	.43	.32	.25
212193CJ	✦	MC3403N	DIP-14	Quad bipolar op amplifier	.43	.365	.28
246617CJ	✦	LM3900D	SOIC-14	Quad amplifier	.75	.63	.52
24168CJ	✦	LM3900N	DIP-14	Quad amplifier	.77	.65	.53
239185CJ	TI	THS4031CD	SOIC-8	100MHz op amp	4.09	3.48	3.24
278150CJ	TI	THS4032CD	SOIC-8	100MHz low noise hi-speed amp	6.49	5.31	5.26
278176CJ	TI	THS4082CD	SOP-8	175MHz LP hi-speed amp	5.69	5.14	4.63
278168CJ	TI	THS4082ID	SOP-8	175MHz LP hi-speed amp, I-temp.	5.89	5.32	4.79
279929CJ	TI	TLV4112CD	SOIC-8	High output drive w/ shutdown	1.95	1.58	1.35
29356CJ	✦	RC4136N	DIP-14	Quad op amp (XR4136)	.74	.68	.62
275741CJ	✦	OPA4137PA	DIP-14	Low cost FET input op amp	2.35	2.11	1.90
121072CJ	✦	LM4250CN	DIP-8	Programmable op amp	1.15	.86	.63
251256CJ	TI	TLC4501ACD	SOIC-8	Prec. CMOS r-r output, low offset op amp	2.49	2.35	2.09

*10 pcs. in Linear series IC cabinet kit, pg 40 ✦ Jameco Value Offering

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
300767CJ	TI	TLC4501AID	SOP-8	Prec. CMOS r-r output, low offset	$2.59	$2.20	$1.85
251264CJ	TI	TLC4501CD	SOIC-8	Prec. CMOS r-r output	2.35	2.25	2.02
251281CJ	TI	TLC4502AID	SOIC-8	Dual prec. CMOS r-r output, low offset	3.69	3.58	3.45
310092CJ	TI	TLC4502AQD	SOP-8	Dual prec. CMOS r-r output, low offset	3.89	3.68	3.45
251272CJ	TI	TLC4502ID	SOIC-8	Dual prec. CMOS r-r output	3.75	3.35	3.01
254861CJ	✦	KA4558	DIP-8	Dual op amplifier	.41	.336	.252
251150CJ	✦	MC4558CD	SOIC-8	Wide bandwidth dual bipolar op amp	.31	.29	.27
251125CJ	✦	MC4558CN	DIP-8	Wide bandwidth dual bipolar op amp	.31	.29	.27
311933CJ	✦	EL5100IS	SOIC-8	200MHz slew enhanced volt feedback	2.45	2.30	2.10
311941CJ	✦	EL5106IS	SOIC-8	350MHz fixed gain amplifier w/ enable	2.29	2.04	1.81
311925CJ	✦	EL5108IS	SOIC-8	450MHz fixed gain amplifier w/ enable	2.55	2.24	1.98
252970CJ	✦	NE5532AP	DIP-8	Dual lower noise op amplifier	.69	.58	.47
27385CJ	✦	NE5532N*	DIP-8	Dual low noise op amplifier	.72	.55	.415
27406CJ	✦	NE5534	DIP-8	Low noise op amplifier	.78	.66	.54
193746CJ	✦	NE5534D	SOIC-8	Low noise op amplifier	.75	.47	.445
311001CJ	MCH	MCP6002-I/P	DIP-8	1MHz bandwidth low power op amp	.45	.42	.40
310990CJ	MCH	MCP6002-I/SN	SOIC-8	1MHz bandwidth low power op amp	.43	.415	.40
311714CJ	MCH	MCP6021-I/SN	SOIC-8	2.5V, 10MHz r-r input/output	1.27	1.16	1.10
311722CJ	MCH	MCP6021-I/P	DIP-8	2.5V, 10MHz r-r input/output	1.27	1.24	1.18
266950CJ	NSC	LMC6035IBP	µSMD-8	Low pwr 2.7V single supply CMOS	1.59	1.19	.87
301241CJ	NSC	LMC6035IM	SOIC-8	Low pwr 2.7V single supply CMOS	2.05	1.89	1.85
267039CJ	NSC	LMC6041IN	DIP-8	CMOS single micropower op amp $1.69	1.30	1.11	.83
302121CJ	NSC	LM6132AIM	SOIC-8	Dual LP r-r in/out, 10MHz, lower VOS	3.59	2.76	2.55
302105CJ	NSC	LM6132BIM	SOIC-8	Dual LP r-r in/out, 10MHz	2.75	2.08	1.87
302113CJ	NSC	LM6132BIN	DIP-8	Dual LP r-r in/out, 10MHz	2.69	2.25	2.09
302009CJ	NSC	LM6134AIM	SOIC-14	Quad LP r-r in/out, 10MHz, lower VOS	3.85	3.19	2.95
302084CJ	NSC	LM6134BIM	SOIC-14	Quad LP r-r in/out, 10MHz	3.15	2.59	2.45
302076CJ	NSC	LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	3.15	2.59	2.45
302068CJ	NSC	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	4.65	3.85	3.62
301997CJ	NSC	LM6144BIM	SOIC-14	Quad r-r in/out, 17MHz	5.55	4.59	4.25
301989CJ	NSC	LM6152ACM	SOIC-8	Dual r-r in/out, 75MHz GBW	3.99	3.29	3.10
301891CJ	NSC	LM6171AIM	SOIC-8	Hi speed, LP low distortion, lower VOS	2.99	2.49	2.35
301882CJ	NSC	LM6171BIM	SOIC-8	Hi speed, LP low distortion volt feedback	2.59	2.14	2.01
301903CJ	NSC	LM6171BIN	DIP-8	Hi speed, LP low distortion volt feedback	2.59	1.97	1.53
311992CJ	NSC	LM6181M	SOIC-8	100mA, 100MHz current feedback	2.35	1.79	1.70
301874CJ	NSC	LM6181IN	DIP-8	100mA, 100MHz current feedback	2.79	2.19	1.79
267063CJ	NSC	LMC6442AIM	SOIC-8	Dual µpwr single-supply r-r, lower VOS	2.39	2.06	1.85
301436CJ	NSC	LMC6442IM	SOIC-8	Dual µpwr r-r output single supply	2.55	1.92	1.62
301364CJ	NSC	LMC6442IN	DIP-8	Dual µpwr r-r output single supply	2.75	2.05	1.75
267119CJ	NSC	LMC6462AIM	SOIC-8	Dual µpwr sngl-supp r-r I/O CMOS, lower VOS	2.39	2.16	1.95
126906CJ	NSC	LMC6462AIN	DIP-8	µpwr r-r I/O CMOS op amp, lower VOS	2.59	2.25	2.02
126893CJ	NSC	LMC6482AIN	DIP-8	CMOS dual r-r input/output, lower VOS	2.09	1.56	1.16
251168CJ	NSC	LMC6482AIM	SOIC-8	CMOS dual r-r input/output, lower VOS	2.05	1.56	1.17
267127CJ	NSC	LMC6482IM	SOIC-8	CMOS dual r-r I/O op amp	1.69	1.27	.95
267223CJ	NSC	LMC6482IN	DIP-8	CMOS dual r-r I/O op amp	1.89	1.40	1.04
267240CJ	NSC	LMC6484AIM	SOIC-14	CMOS quad r-r I/O op amp, lower VOS	3.49	2.69	2.05
301356CJ	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O op amp, lower VOS	4.09	3.13	2.42
267258CJ	NSC	LMC6484IM	SOIC-14	CMOS quad r-r I/O op amp	3.79	3.41	2.35
311811CJ	NSC	LMH6702MA	SOIC-8	Single ultra low-distortion, wideband	2.99	2.48	2.40
311829CJ	NSC	LMH6702MF	SOT-23/5	Single ultra low-distortion, wideband	3.25	2.49	1.92
251871CJ	NSC	LMC7101AIM5	SOT-23/5	Tiny low power w/ r-r I/O	1.69	1.25	.93
251900CJ	NSC	LMC7111AIN	DIP-8	Tiny CMOS op amp w/ r-r I/O	1.55	1.14	.84
301807CJ	NSC	LM7171AIM	SOIC-8	Hi speed, hi output current volt feedback	2.89	2.25	1.98
301794CJ	NSC	LM7171AIN	DIP-8	Hi speed, hi output current volt feedback	2.89	2.25	1.98

*10 pcs. in Linear series IC cabinet kit, pg 40 ✦ Jameco Value Offering

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Op Amps (Continued)

Package (see pg 45)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
301751CJ	NSC	LM7171BIM	SOIC-8	Hi speed hi output current volt feedback	$2.55	$2.12	$1.98
301823CJ	NSC	LM7171BIN	DIP-8	Hi speed hi output current volt feedback	2.55	1.96	1.75
301840CJ	NSC	LM7121IM	SOIC-8	235MHz tiny low pwr volt feedback	2.59	1.95	1.49
301701CJ	NSC	LM7301IM	SOIC-8	Low pwr r-r in/pout, 4MHz GBW	2.09	1.56	1.17
301655CJ	NSC	LM7301IM5	SOT-23/5	Low pwr r-r in/pout, 4MHz GBW	1.99	1.51	1.12
315281CJ	✦	ICL7611DCBA	SOIC-8	1.4MHz LP CMOS op amp	.85	.83	.79
315272CJ	✦	ICL7611DCPA	DIP-8	1.4MHz LP CMOS op amp	.76	.63	.58
311159CJ	ADI	AD8002AR	SOIC-8	Dual 600MHz, 50mW, curr. feedback	4.85	4.19	3.95
312776CJ	ADI	AD8042AR	SOIC-8	Low-cost, high speed r-r	4.65	3.58	2.97
312750CJ	ADI	AD8052AR	SOIC-8	Low-cost high speed r-r	2.55	2.08	1.75
312768CJ	ADI	AD8052ARM	µSO-8	Low-cost high speed r-r	3.35	2.54	2.11
255257CJ	ADI	AD8091AR	SOIC-8	Low-cost high speed r-r	1.35	1.20	1.08
255231CJ	ADI	AD8092ARM	µSO-8	Low-cost high speed r-r	1.45	1.30	1.18
311095CJ	ADI	AD8307AN	DIP-8	Low-cost DC-500MHz 92dB logarithmic	13.29	12.63	12.00
311116CJ	ADI	AD8307AR	SOP-8	Low-cost DC-500MHz 92dB logarithmic	9.45	7.85	7.75
255206CJ	ADI	AD8510AR	SOIC-8	Prec. low noise/input bias curr. JFET input	2.45	2.18	1.96
279591CJ	ADI	AD8515ART	SOT-23/5	1.8V low pwr CMOS r-r I/O	.98	.83	.67
192532CJ	✦	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.49	1.19	.79
277704CJ	✦	MC33202P	DIP-8	Low voltage r-r op amp	1.15	.97	.78
251117CJ	✦	MC34072D	SOIC-8	Single supply 3V-44V op amp	.91	.85	.79
251061CJ	✦	MC34072P	DIP-8	Single supply 3V-44V op amp	.91	.85	.79

✦ Jameco Value Offering

Linear Series

Package (see pg 45)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
25751CJ	✦	MF10CN	DIP-20	General purpose dual active filter	$3.09	$2.37	$1.95
16301CJ	✦	DS0026CN	DIP-8	Dual mos clk. driver (5MHz)(TC426CPA)	4.95	4.45	3.99
239281CJ	✦	DG201BDJ	DIP-16	Quad analog switch	1.35	1.26	1.11
239290CJ	✦	DG202BDJ	DIP-16	Quad analog switch	1.99	1.90	1.81
239311CJ	✦	DG211BDJ	DIP-16	Quad analog switch	1.36	1.23	1.10
239329CJ	✦	DG211CJ	DIP-16	SPST quad channel analog switch	1.99	1.75	1.49
302332CJ	✦	LM231AN	DIP-8	Precision voltage to frequency con	7.35	7.15	6.99
302316CJ	✦	LM231N	DIP-8	Precision voltage to frequency con	5.29	4.25	3.84
302324CJ	✦	LM234Z-3	TO-92	3-terminal adjustable current source	2.55	1.95	1.50
302308CJ	✦	LM234Z-6	TO-92	3-terminal adjustable current source	1.65	1.22	.91
302295CJ	✦	LM236D	SOIC-8	2.5V voltage reference	.75	.643	.482
291080CJ	✦	LM285BYZ-1.2	TO-92	1.2V voltage reference diode, 1% tol.	1.75	1.32	1.11
297801CJ	✦	LM285BYZ-2.5	TO-92	2.5V voltage reference diode	1.89	1.46	1.14
312354CJ	✦	LM285M	SOIC-8	Adjustable micropower volt reference	.96	.71	.527
312362CJ	✦	LM285M-1.2	SOIC-8	1.2V micropower volt reference diode	.79	.71	.52
312371CJ	✦	LM285M-2.5	SOIC-8	2.5V micropower volt reference diode	.79	.71	.527
291055CJ	✦	LM285Z-1.2	TO-92	1.2V voltage reference, 20mA	.47	.382	.336
291071CJ	✦	LM285Z-2.5	TO-92	2.5V voltage reference, 10mA	.67	.64	.63
245403CJ	ST	L298N	MW-15	Dual full-bridge driver (MULTIWATT-15 pkg.)	2.95	2.55	2.35
245446CJ	✦	MAX301CPE	DIP-16	Precision dual hi speed analog switch	4.05	3.22	2.81
245456CJ	✦	MAX301CSE	SOIC-16	Precision dual hi speed analog switch	4.59	3.69	3.45
245462CJ	✦	MAX303CPE	DIP-16	Precision dual hi speed analog switch	8.79	6.91	6.22
277051CJ	✦	MAX303CSE	SOIC-16	Precision dual hi speed analog switch	10.65	8.36	7.53
297828CJ	✦	LM331AN	DIP-8	5V precision voltage-frequency con.	6.75	6.39	6.08
23721CJ	✦	LM331N	DIP-8	Prec volt to freq convrtr (150ppm/°C)	2.19	1.69	1.30
245729CJ	✦	LM334M	SOIC-8	3-terminal adjustable current source	1.12	.83	.61
23739CJ	✦	LM334Z	TO-92	Adjust current source	.72	.65	.47
291135CJ	✦	LM336BZ-2.5	TO-92	2.5V voltage reference diode	1.55	1.16	.87
297676CJ	✦	LM336BZ-5.0	TO-92	5V voltage reference diode	1.55	1.16	.87
193578CJ	✦	LM336M-2.5	SOIC-8	Precision 2.5V shunt regulator diode	~~$.96~~.69	.59	.40
23771CJ	✦	LM336Z-2.5	TO-92	Voltage reference (2.5V)	.50	.46	.245
120871CJ	✦	LM385BZ-1.2	TO-92	Voltage reference diode (1.2V ±1.5%)	.51	.45	.39
120889CJ	✦	LM385BZ2.5	TO-92	Voltage reference diode (2.5V±1.5%)	.51	.47	.42
24117CJ	✦	LM385Z12	TO-92	Micropower volt ref diode (1.2V)	.49	.45	.40
24109CJ	✦	LM385Z-2.5	TO-92	Voltage reference diode (2.5V±3%)	.57	.55	.395
23000CJ	✦	LF398N	DIP-8	Sample and hold circuit	1.09	1.00	.75
309833CJ	✦	DG403DJ	DIP-16	Improved dual hi speed analog switch	3.75	3.54	3.31
245454CJ	✦	DG403DY	SOIC-16	Improved dual hi speed analog switch	1.69	1.14	1.02
245489CJ	✦	DG405DJ	DIP-16	Improved dual hi speed analog switch	3.25	2.97	2.56
256541CJ	✦	DG406DJ	DIP-28	Imprvd 16-ch/dual 8-ch CMOS analog mux	4.15	4.05	3.89
272161CJ	✦	DG407DJ	DIP-28	Imprvd 16-ch/dual 8-ch CMOS analog mux	5.69	5.11	4.61
288227CJ	✦	DG407DN	PLCC-28	8-channel analog multiplexer	6.69	6.34	5.45

✦ Jameco Value Offering

Linear Series (Continued)

Package (see pg 45)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
256532CJ	✦	DG408DJ	DIP-16	Imprvd 8-ch/dual 4-ch CMOS analog mux.	$1.65	$1.55	$1.46
279582CJ	✦	DG408DY	SOIC-16	Imprvd 8-ch/dual 4-ch CMOS analog mux.	1.59	1.55	1.27
288243CJ	✦	DG409BN	DIP-16	4-channel analog multiplexer	4.25	4.09	3.87
288260CJ	✦	DG409DJ	DIP-16	4-channel analog multiplexer	1.65	1.35	1.27
279574CJ	✦	DG409DY	SOIC-16	Imprvd 8-ch/dual 4-ch CMOS analog mux.	1.55	1.47	1.27
243643CJ	✦	DG411DJ	DIP-16	Quad precision analog switch	1.75	1.65	1.50
243651CJ	✦	DG411DY	SOIC-16	Quad analog switch	1.69	1.66	1.59
256516CJ	✦	DG412DJ	DIP-16	Improved quad SPST analog switch	2.39	1.61	1.06
245358CJ	✦	DG412DY	SOIC-16	Improved quad SPST analog switch	1.55	1.39	1.28
272137CJ	✦	DG413DY	SOIC-16	Improved quad SPST analog switch	1.49	1.43	1.37
279540CJ	✦	DG419DJ	DIP-8	Improved SPST/SPDT analog switch	1.95	1.73	1.69
246561CJ	✦	DG419DY	SOIC-8	Improved SPST/SPDT analog switch	1.19	1.12	1.08
33347CJ	✦	TL431CLP	TO-92	Program precision reference	.31	.265	.19
279558CJ	✦	DG441DJ	DIP-16	Improved quad SPST analog switch	1.65	1.48	1.22
256495CJ	✦	DG442DJ	DIP-16	Improved quad SPST analog switch	1.65	1.48	1.35
256508CJ	✦	DG442DY	SOIC-16	Improved quad SPST analog switch	1.19	1.114	1.10
256487CJ	✦	DG444DJ	DIP-16	Improved quad SPST analog switch	1.39	1.30	1.28
256479CJ	✦	DG444DY	SOIC-16	Improved quad SPST analog switch	1.25	1.19	1.09
256452CJ	✦	DG445DJ	DIP-16	Improved quad SPST analog switch	1.39	1.26	1.10
256444CJ	✦	DG445DY	SOIC-16	Improved quad SPST analog switch	1.39	1.30	1.24
33355CJ	✦	TL494CN	DIP-16	Control circuit pulse-width-modulated	.43	.325	.265
288391CJ	✦	DG506AKN	DIP-28	1-channel analog multiplexer	10.49	9.99	9.49
86799CJ	✦	LM555CM	SOIC-8	Timer (NE555D)	.35	.30	.25
27422CJ	✦	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.29	.23	.20
246676CJ	✦	LMC555CM	SOIC-8	CMOS 555 timer	.65	.47	.35
126797CJ	✦	LMC555CN*	DIP-8	CMOS 555 timer	.54	.49	.44
193658CJ	✦	LM556CM	SOIC-14	Dual 555 timer	.75	.41	.26
24328CJ	✦	LM556N*	DIP-14	Dual 555 timer	.88	.65	.48
27457CJ	✦	NE558N	DIP-16	Quad timer (NE558C)	.68	.62	.52
27473CJ	✦	NE564N	DIP-16	High frequency phase locked loop	1.95	1.49	1.05
24352CJ	✦	LM565N	DIP-14	Phased locked loop	1.59	1.20	.90
193666CJ	✦	LM567CM	SOIC-8	Tone decoder	.33	.30	.28
24395CJ	✦	LM567CN	DIP-8	Tone decoder	.48	.45	.33
277691CJ	✦	LMC567CM	SOIC-8	Low-power tone decoder	1.65	1.29	.97
246650CJ	✦	LMC567CN	DIP-8	Tone decoder	1.45	1.18	1.05
243387CJ	✦	LMC568CN	DIP-8	Low power phase-locked loop	1.65	.88	.80
27490CJ	✦	NE571N	DIP-16	Compander, subscriber	3.29	2.99	2.69
287700CJ	✦	AD580JH	TO-52	2.5V volt reference high precision	3.45	2.89	2.42
287734CJ	✦	AD580LH	TO-52	2.5V volt reference high precision	9.49	8.05	6.91
287785CJ	ADI	AD581KH	TO-5/3	10V volt ref hi prec 10mV tolerance	8.89	7.54	6.32
287814CJ	ADI	AD584JH	TO-99	Prog voltage reference 30mV tol.	6.85	5.65	4.72
288155CJ	ADI	AD584KN	DIP-8	Prog voltage reference 11mV tol.	10.69	10.15	9.63
312012CJ	ADI	AD586JN	DIP-8	High precision 5V reference	7.09	6.75	6.41
312004CJ	ADI	AD586KR	SOIC-8	High precision 5V reference	~~$7.39~~	6.65	5.38	4.58
115174CJ	ADI	AD620AN	DIP-8	Low-cost instrument amplifier	16.15	14.85	13.55
310383CJ	ADI	AD622AR	SOIC-8	Low-cost instrument amplifier	5.55	4.25	3.94
115182CJ	ADI	AD633JN	DIP-8	Low-cost analog multiplier	7.75	6.97	6.28
241912CJ	✦	TC646VOA	SOIC-8	3-5V, PWM fan controller	2.55	2.27	2.05
242131CJ	✦	TC648VPA	DIP-8	3-5V, PWM fan controller	2.59	2.32	2.08
276509CJ	✦	MAX660CSA	SOIC-8	CMOS monolithic voltage converter	6.65	5.06	3.42
312194CJ	✦	MAX662ACPA	DIP-8	Pos. 12V 30mA flash memory prog supply	4.05	3.37	3.20
312186CJ	✦	MAX662ACSA	SOIC-8	Pos. 12V 30mA flash memory prog supply	4.09	2.79	2.20
312151CJ	MAX	MAX724CCK	TO-220/5	5A/2A step-down PWM switch mode DC-DC reg	10.75	9.13	8.67
25435CJ	✦	MC846P	DIP-14	Quad 2-input gate	3.95	2.95	2.25
287769CJ	ADI	AD851JH	TO-5/3	10V voltage reference high precision	6.75	6.39	6.05
315969CJ	✦	TC962COE	SOIC-16	High current charge pump DC-DC con.	2.25	2.23	2.20
316515CJ	✦	TC962CPA	DIP-8	High current charge pump DC-DC con.	2.49	2.37	2.25

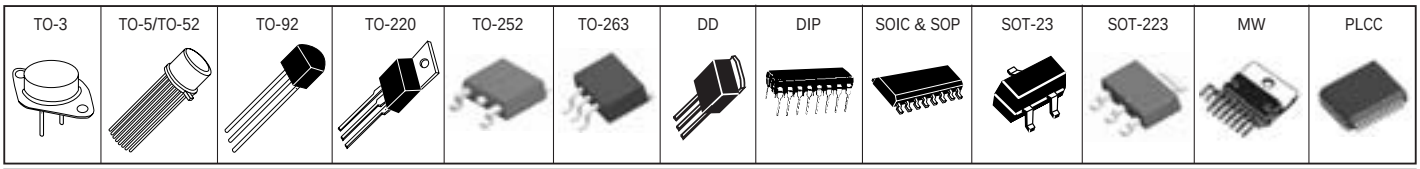
*10 pcs. in Linear series IC cabinet kit, pg 40 **20 pcs. in Linear series IC cabinet kit, pg 40

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Manufacturer Cross Reference Table

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI
Anachip	ANA	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Jameco Value Offering	✦

Linear Series (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
239257CJ	✦	LT1004CZ-1.2	TO-92	1.2V, micropower voltage reference ..	$.68	$.57	$.46
239265CJ	✦	LT1004CZ-2.5	TO-92	2.5V, micropower voltage reference	.68	.52	.40
301541CJ	✦	LT1009CLP	TO-92	2.5V voltage reference diode	.62	.52	.42
300177CJ	LTC	LT1009CZ	TO-92	2.5V voltage reference diode	2.15	1.45	1.25
300214CJ	LTC	LTC1043CN	DIP-18	Dual prec. instr. switch cap. building blocks	4.65	3.15	2.75
312258CJ	MAX	MAX1044CPA	DIP-8	Switched capacitor volt converters	2.35	1.96	1.86
312240CJ	MAX	MAX1044CSA	SOIC-8	Switched capacitor volt converters	2.85	2.38	2.26
300206CJ	LTC	LTC1046CS8	SOIC-8	Inductorless 5V to 5V converter	4.79	3.22	2.79
278184CJ	✦	TL1451ACN	DIP-16	Dual pulse-width-mod control circuit	1.79	1.45	1.11
118578CJ	✦	MC1495L	DIP-14	Linear four quadrant multiplier	9.95	8.95	8.05
23211CJ	✦	LM1496N	DIP-14	Balanced mod/demodulator (MC1496P)	.65	.60	.54
311790CJ	MCH	MCP1252-33X50	MSOP-8	Low-noise pos regulated charge pump	2.25	2.17	2.07
314261CJ	ANA	AP1501K5	TO-263/5	150kHz, 5A buck PWM DC/DC con. ...	2.59	2.02	1.54
314296CJ	ANA	AP1501-50K5	TO-263/5	150kHz, 3A buck PWM DC/DC con. ...	4.05	3.15	2.39
34278CJ	✦	ULN2003AN*	DIP-16	Hi-volt/curr. darl. transistor array	.39	.32	.28
193826CJ	✦	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.39	.35	.29
34294CJ	✦	ULN2004AN	DIP-16	Hi-volt/curr. darl. trans. array (XR2204CP)	.35	.30	.25
241891CJ	✦	ML2035CP	DIP-8	Serial input prog. sine wave generator	7.89	6.95	6.21
241883CJ	✦	ML2036CP	DIP-14	5V, 50kHz prog. sine wave generator	16.65	14.96	13.47
34972CJ	✦	XR2206CP	DIP-16	Monolithic function generator	3.59	3.29	2.99
34999CJ	✦	XR2211N	DIP-14	FSK demodulator/tone decoder	1.79	1.59	1.39
280081CJ	✦	TLE2425CD	SOIC-8	Precision virtual ground	1.29	1.05	.80
280022CJ	✦	TLE2426CD	SOIC-8	Rail splitter precision virtual ground ..	1.19	.91	.82
280073CJ	✦	TLE2426CLP	TO-92	Rail splitter precision virtual ground ..	1.19	.91	.82
34315CJ	✦	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array	.69	.59	.49
123625CJ	✦	LM2907N-8	DIP-8	Frequency to voltage converter	1.55	1.39	1.11
23317CJ	✦	LM2907N	DIP-14	Frequency to voltage converter	1.39	1.11	.93
245631CJ	✦	LM2917M	SOIC-14	Freq. to voltage conv. w/ zener	1.99	1.49	1.40
23350CJ	✦	LM2917N-8	DIP-8	Freq. to voltage conv. w/ zener	1.89	1.46	1.31
23341CJ	✦	LM2917N-14	DIP-14	Freq. to voltage conv. w/ zener	1.79	1.49	1.29
12079CJ	✦	CA3046N	DIP-14	NPN transistor array (ULN2046)	.45	.42	.37
12159CJ	✦	CA3086N	DIP-14	Transistor array NPN (ULN2086)	.56	.52	.46
12247CJ	✦	CA3162E	DIP-16	Dual slope & rate analog/digital con	6.79	6.14	5.53
31974CJ	✦	SG3524N	DIP-16	Regulating pulse width modulator	.53	.50	.42
235328CJ	✦	UC3525AN	DIP-8	SMPS Controller	.57	.56	.50
314181CJ	ANA	AP3842S	SO-8	High perf current mode PWM contrlr ...	.76	.64	.504
314190CJ	ANA	AP3842N	DIP-8	High perf current mode PWM contrlr ...	.65	.61	.523
243521CJ	✦	UC3842AN	DIP-8	30V, curr. mode PWM contrlr, hi UVLO	.48	.44	.36

*10 pcs. in Linear series IC cabinet kit, pg 40 ✦ Jameco Value Offering

Linear Series (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
278926CJ	✦	UC3842D	SOIC-14	30V, curr. mode PWM contrlr, hi UVLO	$.87	$.70	$.53
243504CJ	✦	UC3843AN	DIP-8	30V, curr. mode PWM controller	.52	.45	.34
279443CJ	✦	UC3844D	SOIC-14	30V, curr. mode PWM contrlr, hi UVLO 50% DC ..	.44	.41	.38
243512CJ	✦	UC3844N	DIP-8	30V, curr. mode PWM contrlr, hi UVLO 50% DC ..	.44	.38	.31
243491CJ	✦	UC3845N	DIP-8	30V, curr. mode PWM contrlr, 50% duty cycle	.46	.41	.36
279451CJ	✦	UC3846N	DIP-16	40V, current mode PWM controller	.97	.82	.65
243571CJ	✦	LM4040AIZ-10	TO-92	10V, prec. µPwr shunt volt ref, 0.1%VR tol ...	1.79	1.49	.88
243598CJ	✦	LM4040AIZ-2.5	TO-92	2.5V, prec. µPwr shunt volt ref, 0.1%VR tol	.96	.71	.53
243580CJ	✦	LM4040AIZ-5.0	TO-92	5.0V, prec. µPwr shunt volt ref, 0.1%VR tol ..	1.79	1.68	1.11
243619CJ	✦	LM4040CIZ-2.5	TO-92	2.5V, prec. µPwr shunt volt ref, 0.5%VR tol	.96	.71	.53
243601CJ	✦	LM4040CIZ-5.0	TO-92	5.0V, prec. µPwr shunt volt ref, 0.5%VR tol ..	1.05	.78	.58
302252CJ	NSC	LM4040DIZ-2.5	TO-92	2.5V, prec. µPwr shunt volt ref, 1.0%VR tol	.99	.74	.54
302228CJ	NSC	LM4040DIZ-5.0	TO-92	5.0V, prec. µPwr shunt volt ref, 1.0%VR tol	.99	.64	.39
25275CJ	✦	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
29372CJ	✦	RC4151NB	DIP-8	Volt to frequency converter (XR4151)	1.59	1.43	1.29
312119CJ	✦	TPS6734ID	SOIC-8	Fixed 12V 120mA boost converter supply ..	1.95	1.89	1.81
297924CJ	✦	TPS6734IP	DIP-8	Fixed 12V, 120mA boost-converter supply	1.95	1.59	1.25
312143CJ	TI	TPS6735ID	SOIC-8	Fixed neg 5V 200mA invert DC/DC con ...	1.95	1.88	1.81
312135CJ	TI	TPS6735IP	DIP-8	Fixed neg 5V 200mA invert DC/DC con ...	1.95	1.57	1.23
312127CJ	TI	TPS6755ID	SOIC-8	Adjustable inverting DC/DC inverter	2.15	1.85	1.81
288163CJ	ADI	AD7501KN	DIP-16	8-channel analog multiplexer	12.15	11.55	10.98
288180CJ	ADI	AD7506JN	DIP-28	16-channel analog multiplexer	14.69	13.15	11.75
51140CJ	✦	7555IPA	DIP-8	CMOS timer (LM555CN)	.33	.31	.29
51174CJ	✦	7660CPA	DIP-8	CMOS volt convrtr (+5 to ±5V) (M660AN) ...	.85	.75	.65
290301CJ	✦	ICL7660ACPA	DIP-8	1.5V - 12V volt converter, 10kHz, supp	1.35	1.00	.869
290335CJ	✦	ICL7660SCPA	DIP-8	1.5V - 12V volt convrtr, 10kHz freq boost ...	1.59	1.16	1.06
316662CJ	✦	ICL7662CBA	SOIC-8	Volt converter, 20Vin, 4.5-20V out	2.99	2.79	2.65
316646CJ	✦	ICL7662CPA	DIP-8	Volt converter, 20Vin, 4.5-20V out	1.59	.92	.85
51879CJ	✦	8038CCPD	DIP-14	Precision wave form generator	4.95	4.49	3.95
316540CJ	✦	TC9400CPD	DIP-14	Volt freq/freq volt converter	5.75	5.34	5.07
316531CJ	✦	TC9400COD	SOIC-14	Volt freq/freq volt converter.....	6.35	6.03	5.73
25021CJ	ON	MC14411P	DIP-24	Bit rate frequency generator	5.95	5.45	4.75
241841CJ	✦	MC14467	DIP-16	Smoke detector, ionization type	1.35	1.04	.82
25064CJ	ON	MC14490P	DIP-16	Hex contact bounce eliminator	6.95	6.25	5.59
354597CJ	✦	MC14551N	DIP-16	Quad 2-ch analog multi/demultiplexer.....	1.20	.97	.74
354626CJ	✦	MC14557	DIP-16	1-64 bit variable length shift register	.73	.61	.60
241832CJ	ON	MC145012	DIP-16	Smoke detector, photoelectric type	2.25	2.14	2.03
246713CJ	ON	MC145151DW2	SOIC-28	Parallel input PLL freq synthesizer	5.99	5.37	4.83
118586CJ	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer	5.85	4.97	3.73

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Jameco Part No.	Product No.	Jameco® Price	Digi-Key® Price	Mouser® Price	Newark® Price	Minimum Savings	Minimum Discount
193640CJ	LF412CD, SOIC	$0.27	$0.87	$0.89	$0.87	$0.60	69.0%
193682CJ	LM1458M, DIP	$0.26	$0.72	$0.34	$0.72	$0.08	23.5%
302404CJ	LM201AN, DIP	$0.62	$1.54	$0.88	$0.95	$0.26	29.5%
213188CJ	LM306N, DIP	$0.69	$1.05	$1.11	$1.05	$0.36	34.3%
245702CJ	LM324AM, DIP	$0.27	$0.72	$0.36	$0.72	$0.09	25.0%
212169CJ	LM324AN, DIP	$0.25	$0.48	$0.36	$0.475	$0.11	30.6%
193615CJ	LM358D, SOIC	$0.21	$0.45	$0.26	$0.45	$0.05	19.2%
246721CJ	MC3303D, SOIC	$0.43	$0.52	$0.63	$1.02	$0.09	17.3%
213145CJ	TL054CN, DIP	$0.77	$1.80	$1.64	$1.80	$0.87	53.0%
253139CJ	TL064BCN, DIP	$0.69	$0.84	$1.47	$0.84	$0.15	17.9%
213081CJ	TL071ACP, DIP	$0.36	$0.72	$0.84	$0.72	$0.36	50.0%

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Jameco Part No.	Product No.	Jameco® Price	Digi-Key® Price	Mouser® Price	Newark® Price	Minimum Savings	Minimum Discount
33187CJ	TL071CP, DIP	$0.27	$0.48	$0.59	$0.48	$0.21	43.8%
213073CJ	TL072ACP, DIP	$0.53	$0.76	$0.68	$0.76	$0.15	22.1%
33195CJ	TL072CP, SOIC	$0.26	$0.64	$0.34	$0.64	$0.08	23.5%
213065CJ	TL074BCN, DIP	$0.51	$0.84	$1.11	$0.84	$0.33	39.3%
193527CJ	TL082CD, SOIC	$0.35	$0.64	$0.462	$0.64	$0.112	24.2%
193535CJ	TL084CD, SOIC	$0.43	$0.76	$0.525	$0.76	$0.095	18.1%
315221CJ	TLC252BCP, DIP	$2.19	$2.79	$2.65	$3.02	$0.46	17.4%
315088CJ	TLC27L2BCP, DIP	$0.69	$0.84	$0.92	$0.84	$0.15	17.9%
280209CJ	TLC27L4CN, DIP	$0.60	$0.90	$1.01	$0.90	$0.30	33.3%
280153CJ	TLC27M7CP, DIP	$1.39	$1.78	$2.10	$1.78	$0.39	21.9%
193501CJ	TLO72CD, SOIC	$0.39	$0.64	$0.48	$0.64	$0.09	18.8%

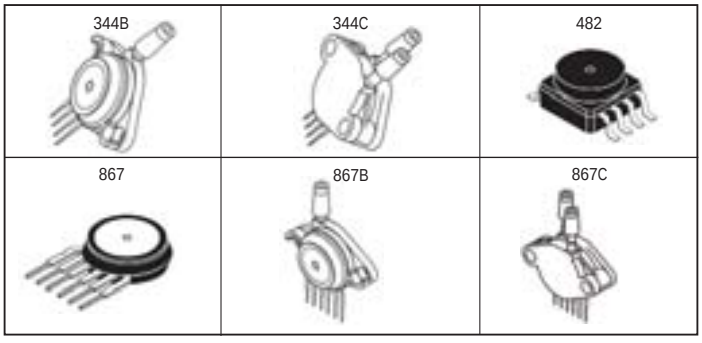
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Sensors & Digital Potentiometers

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Pressure Sensors

Package (see above)

Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

• To convert kPa to PSI: 1kPa = 0.1450377PSI

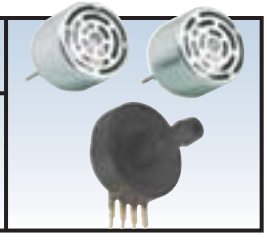
freescale semiconductor

Part No.	Product No.	Type*	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100
320899CJ	MPX10DP	—	344C	0 - 10	35mV	3 @ 6	$10.95	$10.40	$9.88
320987CJ	MPX2010DP	D	344C	0 - 10	25mV	10 @ 6	14.85	14.07	13.37
321015CJ	MPX2010GP	G	344B	0 - 10	25mV	10 @ 6	14.65	13.90	13.21
321040CJ	MPX2050GP	G	344B	0 - 50	40mV	10 @ 6	15.05	11.71	10.25
321293CJ	MPX5050D	D	867	0 - 50	4.7V	5 @ 7	16.15	13.10	12.40
321314CJ	MPX5050GP	G	867B	0 - 50	4.7V	5 @ 7	17.29	13.59	12.81
321200CJ	MPX4115A	A	867	15 - 115	4.8V	5.1 @ 7	16.69	13.09	12.33
321218CJ	MPX4115AP	A	867B	15 - 115	4.8V	5.1 @ 7	17.29	13.59	12.40
321331CJ	MPX5100DP	D	867C	15 - 115	4.7V	5 @ 7	17.45	13.71	12.92
321234CJ	MPX4250AP	A	867B	20 - 250	4.9V	5.1 @ 7	17.29	13.59	12.81
321411CJ	MPXA4250A6U	A	482	20 - 250	4.9V	5.1 @ 7	16.69	13.09	12.33
321373CJ	MPX5700GP	G	867B	0 - 700	4.7V	5 @ 7	17.29	13.59	12.40

* A = absolute; D = differential; G = gauge

We Have More Sensors

See page 155 for liquid level, pressure, inductive proximity switch, ultrasonic, latched hall effect and vibration/tilt switch sensors.



Temperature Sensors

Package (see pg 45)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
311896CJ	✦	LM20BIM7	SC70-5	Micro SMD temp sensor 2.4V 10µA	$1.15	$.99	$.91
107094CJ	NSC	LM34CZ	TO-92	Prec temp sensor (-40˚ to +230˚F)	4.89	4.52	4.08
193480CJ	NSC	LM34DM	SOIC-8	Prec temp sensor (-55˚ to 300˚F)	1.75	1.32	.99
155192CJ	NSC	LM34DZ	TO-92	Prec temp sensor (+32˚ to +212˚F)	1.99	1.67	1.23
302560CJ	NSC	LM35CAZ	TO-92	Precision C temperature sensor	5.19	4.14	3.55
193498CJ	NSC	LM35DM	SOIC-8	Prec temp sensor (-55˚ to 150˚C)	1.85	1.57	1.18
192217CJ	NSC	LM35DT	TO-220/3	Prec temp sensor (-55˚ to 150˚C)	2.55	1.92	1.44
107107CJ	NSC	LM35CZ	TO-92	Prec temp sensor (-40˚ to 110˚C)	5.35	4.10	3.16
155740CJ	NSC	LM35DZ	TO-92	Prec temp sensor (0˚ to +100˚C)	1.79	1.35	1.25
278361CJ	ADI	TMP36FS	SOIC-8	Low voltage temp sensor, ±2˚C	.85	.77	.69
278395CJ	ADI	TMP36GS	SOIC-8	Low voltage temp sensor, ±3˚C	.63	.54	.49
278387CJ	ADI	TMP36GT9	TO-92	Low voltage temp sensor	1.09	.92	.83
302164CJ	NSC	LM50BIM3	SOT-23	Single supply temp sensor, ±2˚C	1.45	1.10	.82
302172CJ	NSC	LM50CIM3	SOT-23	Single supply temp sensor, ±3˚C	.99	.74	.54
302148CJ	NSC	LM56BIM	SOIC-8	Dual output low-power thermo, dig-out	2.29	1.71	1.37
302130CJ	NSC	LM56BIMM	µSO-8	Dual output low-power thermo, dig-out	3.39	3.21	3.05
302156CJ	✦	LM61BIM3	SOT-23	2.7V analog temperature sensor	1.29	1.12	1.05
302092CJ	✦	LM61CIZ	TO-92	2.7V analog temperature sensor	.95	.80	.75
311870CJ	NSC	LM70CIMM-3	µSO-8	SPI/Microwire 10-bit plus design sensor	1.69	1.27	1.06
311888CJ	NSC	LM70CIMM-5	µSO-8	SPI/Microwire 10-bit plus design sensor	1.69	1.27	1.06
301639CJ	NSC	LM74CIBP-3	µSMD-5	12-bit + sign digital temp sensor	2.29	1.71	1.44
301604CJ	NSC	LM74CIBP-5	µSMD-5	12-bit + sign digital temp sensor	2.29	1.71	1.44
301621CJ	NSC	LM74CIM-3	SOIC-8	12-bit + sign digital temp sensor	1.89	1.42	1.19
301583CJ	NSC	LM74CIM-5	SOIC-8	12-bit + sign digital temp sensor	1.89	1.41	1.19

✦ Jameco Value Offering

Temperature Sensors (Continued)

Package (see pg 45)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
311853CJ	NSC	LM75CIM-3	SOIC-8	Digital temp sensor/thermal watchdog	$1.65	$1.32	$1.17
311845CJ	NSC	LM75CIM-5	SOIC-8	Digital temp sensor/thermal watchdog	1.65	1.32	1.17
301567CJ	NSC	LM77CIM-3	SOIC-8	9-bit + sign digital window comp	2.15	1.61	1.39
301575CJ	NSC	LM77CIMM-3	µSOP-8	9-bit + sign digital window comp	2.65	2.55	2.45
282028CJ	✦	LM135H	TO-46	Precision temperature sensor	8.55	7.67	6.91
120820CJ	✦	LM335AZ	TO-92	Precision temperature sensor	.81	.75	.71
193560CJ	✦	LM335M	SOIC-8	Precision temperature sensor	1.10	.94	.69
23755CJ	✦	LM335Z	TO-92	Volt mode temperature sensor	.67	.61	.44
241939CJ	✦	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19
313306CJ	✦	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	10.39	10.22	10.05
313293CJ	✦	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	13.55	11.89	10.52
316970CJ	✦	TC620CCPA	DIP-8	5V dual trip point temp sensor	1.75	1.69	1.64
302551CJ	✦	DS18S20	SOIC-8	High-precision 1-wire digital thermo	4.49	3.56	3.21
287371CJ	✦	AD7814ARM	µSO-8	10-bit digital temp. sensor	2.09	1.99	1.90

✦ Jameco Value Offering

Hall Sensors

Package (see pg 45)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
319089CJ	ATS137M	SIP-3	Hall-effect switch 25mA, 20V max, ext. temp	$1.79	$1.57	$1.31
319097CJ	AH175P	SIP-3	Hall-effect latch 25mA, 20V max, mil. temp	1.79	1.57	1.31
319100CJ	AH182PL	SIP-3	Hall-effect switch 25mA, low power	.72	.65	.504
319118CJ	AH182WL	SOT-23/3	Hall-effect switch 25mA, low power	.72	.65	.494

Digital Potentiometers

Package (see pg 45)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
241744CJ	MCP41010-I/P	DIP-8	10kΩ, 256 steps, SPI digital pot	$1.59	$1.49	$1.39
241761CJ	MCP41050-I/P	DIP-8	50kΩ, 256 steps, SPI digital pot	1.85	1.55	1.40
241787CJ	MCP41100-I/P	DIP-8	100kΩ, 256 steps, SPI digital pot	1.55	1.47	1.39
241752CJ	MCP42010-I/P	DIP-14	10kΩ, 256 steps, 2-ch, SPI digital pot	2.35	2.21	2.10
241779CJ	MCP42050-I/P	DIP-14	50kΩ, 256 steps, 2-ch, SPI digital pot	2.75	2.10	2.02
241795CJ	MCP42100-I/P	DIP-14	100kΩ, 256 steps, 2-ch, SPI digital pot	2.59	2.33	2.10

Transistors

Package (see pg 47)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
214834CJ	MMBTA05	✦	SOT-23	NPN	60	— ✳	$.07	$.045	$.025	
297799CJ	MPSA05	✦	TO-92	NPN	60	100 @ .01A ✳	.075	.064	.034	
214842CJ	MMBTA06	✦	SOT-23	NPN	80	100 @ .01A ✳	.066	.05	.038	
26462CJ	MPSA06*	✦	TO-92	NPN	30	50 @ .01A ✳	.05	.028	.026	
288930CJ	MPSH10	✦	TO-92	NPN	25	60 @ .004A ✳	.10	.059	.043	
214851CJ	MMBTA13	✦	SOT-23	NPN	30	5k @ .01A ✳	.057	.042	.032	

✦ Jameco Value Offering

Automate Your Volume Control!

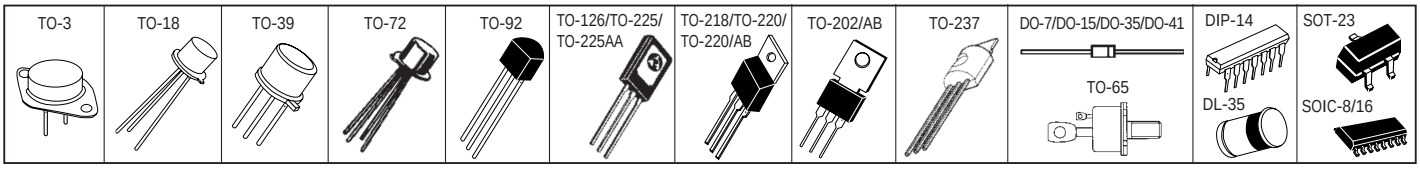


Back in the days of my youth, before digital or semiconductors, there was the tube era. And during that time, I remember when my parents bought a color console TV with a remote control.

In that era, it was amazing that you could change the volume, tone, color, hue and channel all by remote. But more incredible was the way it was done! Analog ultrasonic transmitter, analog receiver and decoder, and most incredibly, motors that turned potentiometers that changed the settings!

Today, new technology solutions reduce the perils of mechanical interfaces. Digital potentiometers for instance, provide an all-silicon solution, reducing potential mechanical failures. Plus, they are digital, so you'll get precise repeatable outputs every time. Be sure to take a closer look at the versatile digital potentiometers above.

Practical Practices
Money Saving Tips for the Engineer



Transistors (Continued)

Package (see above)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
26489CJ	MPSA13*	✦	TO-92	NPN	30	5k @ .01A ✳	$.066	$.034	$.028	
214869CJ	MMBTA14	✦	SOT-23	NPN	30	10k @ .01A ✳	.04	.032	.024	
210593CJ	MPSA14	✦	TO-92	NPN	30	20k @ .10A ✳	.083	.067	.038	
210681CJ	MPSA18	✦	TO-92	NPN	45	500 @ .001A ✳	.083	.062	.043	
288850CJ	MPSA29	✦	TO-92	NPN	100	10k @ .1A ✳	.10	.059	.044	
33021CJ	TIP29A	✦	TO-220	NPN	60	15 @ 1A .44	.42	.39	.32	
297781CJ	TIP29C	✦	TO-220	NPN	100	40 @ .2A .25	.208	.195	.17	
33030CJ	TIP30A	✦	TO-220	PNP	60	15 @ 1A .71	.56	.40	.247	
179346CJ	TIP30C	FSC	TO-220	PNP	100	15 @ 1A .39	.365	.32	.265	
33048CJ	TIP31A*	✦	TO-220	NPN	60	10 @ 3A .49	.39	.35	.29	
179354CJ	TIP31C	FSC	TO-220	NPN	100	10 @ 3A .49	.37	.30	.18	
33064CJ	TIP32A*	✦	TO-220	PNP	60	10 @ 3A .37	.335	.285	.23	
181841CJ	TIP32C	✦	TO-220	PNP	100	10 @ 3A .49	.376	.285	.18	
33081CJ	TIP41A	✦	TO-220	NPN	60	15 @ 3A .59	.55	.50	.42	
179371CJ	TIP41C	FSC	TO-220	NPN	100	15 @ 3A .39	.367	.304	.20	
214885CJ	MMBTA42	✦	SOT-23	NPN	300	40 @ .01A ✳	.065	.057	.04	
178546CJ	MPSA42	✦	TO-92	NPN	30	40 @ .03A ✳	.081	.073	.062	
33101CJ	TIP42A	✦	TO-220	PNP	60	15 @ 3A .58	.49	.47	.31	
139580CJ	TIP42C	✦	TO-220	PNP	100	15 @ 3A ~~$.49~~ .45	.407	.344	.247	
179389CJ	TIP42C	FSC	TO-220	PNP	100	15 @ 3A .51	.461	.39	.254	
288614CJ	TIP47	✦	TO-220	NPN	250	30 @ .3A .48	.357	.202	.166	
288631CJ	TIP48	✦	TO-220	NPN	300	30 @ .3A .49	.291	.265	.238	
214906CJ	MMBTA55	✦	SOT-23	PNP	60	100 @ .01A ✳	.045	.036	.027	
214914CJ	MMBTA56	✦	SOT-23	PNP	80	100 @ .01A ✳	.085	.073	.055	
210606CJ	MPSA56	✦	TO-92	PNP	80	100 @ .10A ✳	.099	.074	.042	
214922CJ	MMBTA63	✦	SOT-23	PNP	30	5k @ .01A ✳	.062	.05	.03	
288921CJ	MPSA63	✦	TO-92	PNP	30	10k @ .1A ✳	.075	.042	.03	
214931CJ	MMBTA64	✦	SOT-23	PNP	30	10k @ .01A ✳	.047	.04	.03	
120221CJ	BPW77NA	✦	TO-18	NPN	70	— 1.99	1.89	1.55	.97	
178554CJ	MPSA92	✦	TO-92	PNP	300	25 @ .003A ✳	.11	.075	.049	
214957CJ	MMBTA92	✦	SOT-23	PNP	300	40 @ .01A ✳	.06	.059	.044	
214033CJ	MPSA93✪	✦	TO-92	PNP	200	25 @ .03A ✳	.07	.024	.022	
277413CJ	PN100	✦	TO-92	NPN	45	100 @ .15A ✳	.045	.032	.027	
288420CJ	TIP100	✦	TO-220	NPN	60	1k @ 3A .52	.43	.27	.22	
297772CJ	TIP101	✦	TO-220	NPN	80	1k @ 3A .60	.54	.46	.41	
32977CJ	TIP102*	✦	TO-220	NPN	100	1k @ 3A .57	.49	.41	.245	
179240CJ	TIP102	FSC	TO-220	NPN	100	1k @ 3A .48	.43	.40	.29	
288462CJ	TIP105	✦	TO-220	PNP	60	1k @ 3A .41	.398	.319	.264	
32985CJ	TIP106	✦	TO-220	PNP	80	1k @ 3A .85	.75	.69	.55	
179258CJ	TIP107	FSC	TO-220	PNP	100	1k @ 3A .55	.49	.40	.287	
288471CJ	TIP110	✦	TO-220	NPN	60	1k @ 1A .48	.457	.37	.23	
288500CJ	TIP111	✦	TO-220	NPN	80	1k @ 1A .50	.45	.43	.365	
288518CJ	TIP112	✦	TO-220	NPN	100	1k @ 1A .51	.44	.38	.23	
288526CJ	TIP115	✦	TO-220	PNP	60	1k @ 1A .38	.324	.262	.186	
288542CJ	TIP117	✦	TO-220	PNP	100	1k @ 1A .50	.375	.295	.245	
32993CJ	TIP120*	✦	TO-220	NPN	60	1k @ 3A .49	.45	.39	.27	
179291CJ	TIP120	FSC	TO-220	NPN	60	1k @ 3A .61	.53	.438	.22	
288585CJ	TIP121	✦	TO-220	NPN	80	1k @ .5A .49	.375	.31	.27	
120416CJ	TIP122	✦	TO-220	NPN	100	1k @ 3A .42	.37	.35	.285	
179303CJ	TIP122	FSC	TO-220	NPN	100	1k @ 3A .55	.42	.32	.195	
33013CJ	TIP125	✦	TO-220	PNP	60	1k @ 3A .49	.45	.29	.26	
288606CJ	TIP126	✦	TO-220	PNP	80	1k @ .5A .49	.375	.285	.17	

✦ Jameco Value Offering FSC = Fairchild Semiconductor ✪ Blue Part No. = Limited Quantity Available

*10 pcs. in Transistor cabinet kit, pg 48

Transistors (Continued)

Package (see above)

✳ Prepackaged: order in increments of 10, 100 or 1000

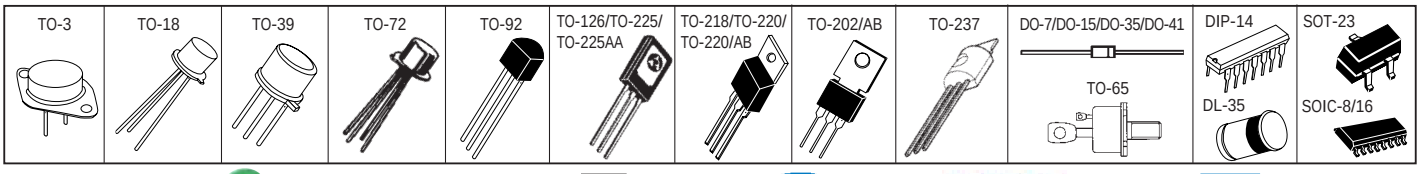
Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
179320CJ	TIP127	FSC	TO-220	PNP	100	1k @ 3A .52	$.391	$.297	$.207	
277886CJ	MJE172	✦	TO-225	PNP	80	30 @ .50A .35	.322	.289	.179	
277341CJ	PN200	✦	TO-92	PNP	45	100 @ .15A ✳	.09	.06	.045	
254772CJ	BD237	✦	TO-126	NPN	80	40 @ .15A .41	.40	.38	.28	
254810CJ	BC337	✦	TO-92	NPN	45	100 @ .10A ✳	.174	.114	.058	
211529CJ	MJE340	✦	TO-225	NPN	300	30 @ .05A .34	.30	.26	.22	
211537CJ	MJE350	✦	TO-225	PNP	300	30 @ .05A .41	.37	.33	.29	
255994CJ	BU406	✦	TO-220	NPN	200	— 1.17	1.02	.89	.83	
272031CJ	BU407	✦	TO-220	NPN	150	— .91	.81	.77	.61	
256073CJ	BD438	✦	TO-225	PNP	45	30 @ .01A .39	.36	.34	.27	
254801CJ	BC547B	✦	TO-92	NPN	45	330 @ .002A ✳	.075	.067	.051	
254799CJ	BC547C	✦	TO-92	NPN	45	600 @ .002A ✳	.08	.075	.05	
254781CJ	BC548B	✦	TO-92	NPN	30	110 @ .002A ✳	.085	.075	.05	
309825CJ	BD681	✦	TO-225	NPN	100	750 @ 2A .49	.481	.285	.212	
256065CJ	BD682	✦	TO-225	PNP	100	750 @ 1.5A .39	.38	.36	.21	
211545CJ	MJE700	✦	TO-225	PNP	60	750 @ 1.5A ~~$.50~~ .30	.26	.24	.22	
211553CJ	MJE800	✦	TO-225	NPN	60	750 @ 1.5A .28	.26	.23	.195	
213920CJ	MMBT918	✦	SOT-23	NPN	15	20 @ .003A ✳	.06	.043	.032	
194327CJ	2N2102	✦	TO-39	NPN	65	40 @ .15A .57	.51	.41	.26	
38228CJ	2N2219A	✦	TO-39	NPN	40	100 @ .15A .41	.37	.31	.28	
94941CJ	MMBT2222	✦	SOT-23	NPN	30	100 @ .15A .22	.045	.034	.028	
26446CJ	MPQ2222	✦	DIP-14	NPN	40	100 @ .15A 2.45	2.19	1.99	1.85	
28628CJ	PN2222**	✦	TO-92	NPN	30	100 @ .15A ✳	.065	.041	.025	
213938CJ	MMBT2222A	✦	SOT-23	NPN	40	100 @ .15A ✳	.041	.033	.023	
213997CJ	MMPQ2222A	✦	SOIC-16	NPN	40	100 @ .15A .95	.86	.68	.51	
210673CJ	MPS2222A	✦	TO-92	NPN	40	40 @ .50A ✳	.057	.041	.034	
178511CJ	PN2222A	✦	TO-92	NPN	40	100 @ .15A ✳	.129	.092	.051	
38236CJ	2N2222A*	✦	TO-18	NPN	40	100 @ .15A .39	.35	.29	.25	
214658CJ	MMBT2369	✦	SOT-23	PNP	25	60 @ .05A ✳	.05	.042	.025	
213946CJ	MMBT2369A	✦	SOT-23	NPN	15	40 @ .01A ✳	.04	.032	.024	
26526CJ	MPS2369	✦	TO-92	NPN	15	20 @ .10A ✳	.066	.042	.032	
211334CJ	MPS2369A✪	✦	TO-92	NPN	15	20 @ .10A ✳	.07	.052	.047	
194378CJ	2N2905A	✦	TO-39	PNP	60	100 @ .15A .45	.428	.403	.315	
94959CJ	MMBT2907	✦	SOT-23	PNP	40	100 @ .15A .22	.068	.041	.026	
26454CJ	MPQ2907	✦	DIP-14	PNP	40	100 @ .15A 2.19	1.85	1.35	.99	
28644CJ	PN2907**	✦	TO-92	PNP	40	100 @ .15A ✳	.125	.09	.045	
213954CJ	MMBT2907A	✦	SOT-23	PNP	60	100 @ .01A ✳	.09	.043	.032	
214009CJ	MMPQ2907A	✦	SOIC-16	PNP	60	100 @ .01A 1.19	.89	.71	.50	
211342CJ	MPS2907A	✦	TO-92	PNP	60	100 @ .15A ✳	.055	.048	.036	
178520CJ	PN2907A	✦	TO-92	PNP	60	100 @ .15A ✳	.085	.077	.041	
38279CJ	2N2907A*	✦	TO-18	PNP	60	100 @ .15A .36	.34	.31	.25	
211377CJ	TIP2955	✦	TO-218	PNP	60	5 @ .001A 1.05	.94	.90	.72	
211502CJ	MJ2955	✦	TO-3	PNP	60	20 @ 4A .69	.62	.56	.52	
25831CJ	MJE2955T	✦	TO-220	PNP	60	20 @ 4A .58	.53	.445	.305	
38295CJ	2N3053*	✦	TO-39	NPN	40	25 @ .15A .47	.43	.40	.37	
211385CJ	TIP3055	✦	TO-218	NPN	60	5 @ .001A 1.05	.99	.91	.74	
38308CJ	2N3055*	✦	TO-3	NPN	60	15 @ 10A .95	.85	.72	.63	
211406CJ	2N3055A	✦	TO-3	NPN	60	20 @ 4A 1.55	1.49	1.13	.98	
25857CJ	MJE3055T	✦	TO-220	NPN	60	20 @ 4A .53	.49	.45	.39	
194415CJ	2N3439	✦	TO-39	NPN	350	40 @ .02A .53	.50	.48	.363	
194458CJ	2N3700	✦	TO-18	NPN	80	100 @ .15A .47	.42	.39	.35	
209242CJ	2N3771	✦	TO-3	NPN	40	15 @ 15A 2.19	1.84	1.56	.99	

✦ Jameco Value Offering FSC = Fairchild Semiconductor ✪ Blue Part No. = Limited Quantity Available

*10 pcs. in Transistor cabinet kit, pg 48 **100 pcs. in Transistor cabinet kit, pg 48

Transistors (Continued)

Color Code Legend: New Sale Lower$ QtySave



Transistors (Continued)

Package (see above)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
38324CJ	2N3772	✦	TO-3	NPN	40	15 @ 10A	$2.49	$2.05	$1.79	$1.15
140151CJ	2N3773	✦	TO-3	NPN	140	15 @ 8A	2.45	2.32	2.26	2.07
94967CJ	MMBT3904	✦	SOT-23	NPN	40	100 @ .01A	✳	.042	.034	.023
211351CJ	MPS3904	✦	TO-92	NPN	40	100 @ .001A	✳	.10	.058	.044
38359CJ	2N3904**	✦	TO-92	NPN	40	100 @ .01A	✳	.069	.057	.035
178597CJ	2N3904	FSC	TO-92	NPN	40	100 @ .01A	✳	.09	.06	.048
62287CJ	2N3905	✦	TO-92	PNP	40	50 @ .01A	✳	.10	.074	.04
94975CJ	MMBT3906	✦	SOT-23	PNP	40	100 @ .01A	✳	.042	.038	.023
214017CJ	MMPQ3906✪✦		SOIC-16	PNP	40	75 @ .01A $1.65	1.37	.99	.31	.28
38375CJ	2N3906**	✦	TO-92	PNP	40	100 @ .01A	✳	.05	.04	.03
178618CJ	2N3906	FSC	TO-92	PNP	40	100 @ .01A	✳	.085	.045	.035
194466CJ	2N4033	✦	TO-39	PNP	80	100 @ .10A	.62	.54	.48	.44
38404CJ	2N4123	✦	TO-92	NPN	30	25 @ .05A	✳	.12	.11	.082
214674CJ	MMBT4124	✦	SOT-23	NPN	25	60 @ .05A	✳	.04	.032	.024
62295CJ	2N4124	✦	TO-92	NPN	25	60 @ .05A	✳	.044	.034	.025
214682CJ	MMBT4126	✦	SOT-23	PNP	25	60 @ .05A	✳	.042	.034	.026
214623CJ	2N4126	✦	TO-92	PNP	25	60 @ .05A	✳	.05	.04	.03
253411CJ	2N4400	✦	TO-92	NPN	40	50 @ .15A	✳	.042	.03	.027
214703CJ	MMBT4401	✦	SOT-23	NPN	40	80 @ .01A	✳	.044	.034	.021
38421CJ	2N4401*	✦	TO-92	NPN	40	100 @ .15A	✳	.08	.06	.05
214720CJ	MMBT4403	✦	SOT-23	PNP	40	60 @ .001A	✳	.045	.042	.032
38447CJ	2N4403*	✦	TO-92	PNP	40	100 @ .15A	✳	.05	.049	.036
211511CJ	2N4410	✦	TO-92	NPN	80	60 @ .01A	✳	.055	.05	.046
277755CJ	MJ4502	✦	TO-3	PNP	90	25 @ 7.5A	3.45	3.07	2.76	2.49
211465CJ	2N4920	✦	TO-225	PNP	80	30 @ .50A	.33	.307	.294	.279
211490CJ	2N4923	✦	TO-225	NPN	80	30 @ .50A	.45	.40	.32	.28
310666CJ	2N5038	✦	TO-3	NPN	150	20 @ 12A	6.89	5.93	4.51	3.89
213962CJ	MMBT5087	✦	SOT-23	PNP	50	250 @ .01A	✳	.042	.036	.024
210631CJ	2N5087	✦	TO-92	PNP	50	250 @ .10A	✳	.07	.032	.02
213971CJ	MMBT5088	✦	SOT-23	NPN	30	300 @ .01A	✳	.12	.10	.035
62316CJ	2N5088	✦	TO-92	NPN	30	300 @ .10A	✳	.05	.049	.041
214746CJ	MMBT5089	✦	SOT-23	NPN	25	400 @ .01A	✳	.11	.08	.042
62324CJ	2N5089	✦	TO-92	NPN	25	400 @ .10A	✳	.07	.048	.035
140373CJ	2N5179	✦	TO-72	NPN	12	25 @ .003A	.59	.56	.512	.482
209251CJ	2N5191	✦	TO-225	NPN	60	25 @ 1.5A	.41	.37	.30	.29
38501CJ	2N5195✪	✦	TO-225	PNP	80	20 @ 1.5A $.39	.30	.27	.25	.22
253930CJ	2N5400	✦	TO-92	PNP	120	40 @ .010A	✳	.075	.059	.037
214754CJ	MMBT5401	✦	SOT-23	PNP	150	40 @ .001A	✳	.05	.04	.024
210649CJ	2N5401	✦	TO-92	PNP	150	60 @ .01A	✳	.066	.05	.037
214762CJ	MMBT5550✪✦		SOT-23	NPN	140	60 @ .01A	✳	.045	.019	.017
253569CJ	2N5550	✦	TO-92	NPN	140	60 @ .010A	✳	.23	.15	.054
214771CJ	MMBT5551	✦	SOT-23	NPN	140	80 @ .01A	✳	.045	.026	.023
210657CJ	2N5551	✦	TO-92	NPN	160	80 @ .01A	✳	.059	.05	.043
209277CJ	2N5657✪	✦	TO-126	NPN	350	30 @ .10A	.26	.24	.22	.20
253438CJ	2N5884	✦	TO-3	PNP	80	4 @ 25A	2.29	2.15	1.60	1.47
254764CJ	2N5886	✦	TO-3	NPN	80	20 @ 10A	2.29	2.09	1.59	1.28
194571CJ	2N6042	✦	TO-220	PNP	100	1k @ 3A	.59	.47	.42	.35
194589CJ	2N6045	✦	TO-220	NPN	100	1k @ 3A	.44	.40	.34	.31
194597CJ	2N6052	✦	TO-3	PNP	100	750 @ 6A	1.89	1.78	1.74	1.47
194600CJ	2N6059	✦	TO-3	NPN	100	750 @ 6A	1.59	1.55	1.36	1.12
255011CJ	2N6292	✦	TO-220	NPN	70	30 @ 2A	.57	.52	.48	.41
213989CJ	MMBT6427	✦	SOT-23	NPN	40	10k @ .01A	✳	.065	.043	.023
255003CJ	2N6427	✦	TO-92	NPN	40	10k @ .01A	.33	.22	.15	.035
288817CJ	MPS6521	✦	TO-92	NPN	25	300 @ 0.002A	✳	.137	.114	.075

✦ Jameco Value Offering FSC = Fairchild Semiconductor ✪ Blue Part No. = Limited Quantity Available

*10 pcs. in Transistor cabinet kit, see above right **100 pcs. in Transistor cabinet kit, see above right

Transistors (Continued)

Package (see above)

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
288833CJ	MPS6531	✦	TO-92	NPN	40	60 @ 0.01A	$.21	$.166	$.076	$.051
194618CJ	2N6547	✦	TO-3	NPN	400	12 @ 5A	4.15	3.48	2.74	2.41
194626CJ	2N6678	✦	TO-3	NPN	400	8 @ 15A	6.79	6.15	5.75	4.49
214025CJ	MMPQ6700	✦	SOIC-16	NPN/PNP	40	70 @ .01A	2.15	1.80	1.32	.99
140134CJ	2N6725	✦	TO-237	NPN	50	25k @ .20A	.55	.45	.36	.29
277771CJ	MJE13005	✦	TO-220	NPN	400	8 @ 2A	.80	.71	.54	.32
277798CJ	MJE15029	✦	TO-220	PNP	120	40 @ 2A	.81	.75	.69	.64
277851CJ	MJE15031	✦	TO-220	PNP	150	40 @ 2A	.89	.80	.72	.65

✦ Jameco Value Offering

Transistor Assortment Cabinet Kit

SAVE $8

Includes:
20 drawer component cabinet (319599CJ),
20 clear plastic drawers (319601CJ),
20 clear dividers (319610CJ), pg 258 and
30 adhesive labels for drawers to identify parts in kit



10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	10
82595CJ	560 pcs. (20 types) NPN, PNP transistor kit	5.1	$82.95	$74.65
130374CJ	Refill for 82595CJ (560 pcs.)	0.4	69.95	62.95

J-FETs

Package (see above)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV_{GS} @ IGuA	Loss (mA) @ V_{DS}	1	10	100	1000
26403CJ	MPF102*	✦	TO-92	N-Ch	25 @ 1	20 @ 15	✳	$.155	$.11	$.08
211393CJ	J111	✦	TO-92	N-Ch	35 @ 1	20 @ 15	.20	.176	.167	.158
140450CJ	J112	✦	TO-92	N-Ch	35 @ 1	5 @ 15	✳	.165	.12	.08
140142CJ	J176	✦	TO-92	P-Ch	30 @ 1	2 @ 25	.33	.29	.21	.17
211414CJ	J177	✦	TO-92	P-Ch	30 @ 1	20 @ 15	.39	.28	.20	.14
253921CJ	2N5458	✦	TO-92	N-Ch	25 @ 0.1	—	.29	.23	.18	.16
210622CJ	2N3819	✦	TO-92	N-Ch	25 @ 1	20 @ 15	✳	.085	.059	.055
38527CJ	2N5951*	✦	TO-92	N-Ch	30 @ 1	13 @ 15	.69	.64	.44	.39

✦ Jameco Value Offering *10 pcs. in Transistor cabinet kit, above

N-Channel/P-Channel MOSFETs

Package (see above)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
256014CJ	BSS138	✦	SOT-23	N-Ch	50V	0.2A	✳	$.11	$.075	$.055
256031CJ	BS170	✦	TO-92	N-Ch	60V	—	✳	.10	.07	.06
256057CJ	BS250	✦	TO-92	P-Ch	45V	—	.37	.34	.30	.20
209234CJ	IRF510	✦	TO-220	N-Ch	100V	5.6A	.69	.59	.55	.49
209226CJ	IRF520	✦	TO-220	N-Ch	100V	10.0A	.85	.59	.52	.31
209058CJ	IRL520L	✦	TO-220	N-Ch	100V	10.0A	.77	.55	.46	.44
210500CJ	IRF530	✦	TO-220	N-Ch	100V	14.0A	.66	.57	.52	.49
210518CJ	IRF540	✦	TO-220	N-Ch	100V	27.0A	1.05	.95	.89	.75
210526CJ	IRF620	✦	TO-220	N-Ch	200V	6.0A	.45	.42	.35	.32
210534CJ	IRF630	✦	TO-220	N-Ch	200V	9.0A	.75	.65	.58	.43
210542CJ	IRF640	✦	TO-220	N-Ch	200V	18.0A	.69	.65	.57	.49

✦ Jameco Value Offering

N-Channel/P-Channel MOSFETs (Continued) Package (see pg 48)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
210551CJ	IRF730	✦	TO-220	N-Ch	400V	5.5A	$.89	$.75	$.67	$.63
210569CJ	IRF740	✦	TO-220	N-Ch	400V	10.0A	1.25	1.10	.89	.80
210577CJ	IRF820	✦	TO-220	N-Ch	500V	4.0A	.65	.59	.53	.44
210585CJ	IRF830	✦	TO-220	N-Ch	500V	4.5A	.77	.70	.62	.58
184719CJ	IRF840	✦	TO-220	N-Ch	500V	8.0A	1.49	1.29	.99	.89
279460CJ	VN2222LL	✦	TO-92	N-Ch	60V	.75A	.23	.20	.16	.14
279486CJ	VN2410L	✦	TO-92	N-Ch	240V	1.0A	.45	.405	.364	.328
279478CJ	VN2406L	✦	TO-92	N-Ch	240V	1.0A	.44	.35	.27	.17
255020CJ	SI4410DY	✦	SOIC-8	N-Ch	30V	20A	.89	.73	.52	.50
255038CJ	SI4420DY	✦	SOIC-8	N-Ch	30V	30A	1.79	1.75	1.69	1.29
255046CJ	SI4435DY	✦	SOIC-8	P-Ch	-30V	-40A	.85	.71	.52	.42
255054CJ	SI4463DY	✦	SOIC-8	P-Ch	-20V	-30A	1.65	1.55	1.49	1.17
255062CJ	SI4467DY	✦	SOIC-8	P-Ch	-12V	-20A	1.59	1.45	1.24	1.02
255071CJ	SI4884DY	✦	SOIC-8	N-Ch	30V	40A	.59	.57	.53	.43
255089CJ	SI4963DY	✦	SOIC-8	Dual P-Ch	-20V	-20A $1.45	1.09	1.08	1.07	1.06
253948CJ	2N5457	✦	TO-92	N-Ch	-25V	—	.20	.18	.126	.102
253913CJ	2N5460	✦	TO-92	P-Ch	40V	—	.34	.28	.22	.19
253905CJ	2N5461	✦	TO-92	P-Ch	40V	—	.26	.19	.16	.13
253892CJ	2N5462	✦	TO-92	P-Ch	40V	—	✳	.089	.081	.073
253884CJ	2N5484	✦	TO-92	N-Ch	-25V	—	✳	.13	.09	.052
253585CJ	2N5485	✦	TO-92	N-Ch	-25V	—	.23	.20	.18	.13
253577CJ	2N5486	✦	TO-92	N-Ch	-25V	—	✳	.18	.15	.11
253542CJ	2N5639	✦	TO-92	N-Ch	30V	0.05A	.20	.175	.125	.065
178669CJ	2N7000*	FSC	TO-92	N-Ch	60V	0.2A	.23	.13	.10	.095
119423CJ	2N7000	✦	TO-92	N-Ch	60V	0.3A	✳	.11	.10	.09
140169CJ	2N7002	✦	SOT-23	N-Ch	60V	0.5A	✳	.14	.115	.045

✦ Jameco Value Offering FSC = Fairchild Semicond0uctor *10 pcs. in Transistor cabinet kit, pg 48

Diodes

Package (see pg 48)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Description	1	10	100	1000
140185CJ	BAS16	✦	SOT-23	70PRV, 1A (Switching)	✳	$.09	$.065	$.027
254852CJ	BAT54	✦	SOT-23	30PRV, 0.6A (Schottky)	✳	.16	.125	.09
254844CJ	BAT54A	✦	SOT-23	30PRV, 0.6A (Schottky)	✳	.08	.05	.043
254836CJ	BAT54C	✦	SOT-23	30PRV, 0.6A (Schottky)	✳	.13	.12	.05
254828CJ	BAT54S	✦	SOT-23	30PRV, 0.6A (Schottky)	.21	.075	.05	.04
140177CJ	BAW56	✦	SOT-23	70PRV, 0.25A (Switching)	✳	.073	.042	.032
140206CJ	BAV70	✦	SOT-23	70PRV, 0.25A (Switching)	✳	.075	.055	.041
140193CJ	BAV99	✦	SOT-23	70PRV, 1A (Switching)	✳	.075	.062	.047
35941CJ	1N270*	✦	DO-7	80PRV (Germanium)	.99	.86	.74	.61
313402CJ	MMBD914	✦	SOT-23	100 V_{RRM}, 0.20A (Switching)	✳	.057	.055	.031
179207CJ	1N914	VSH	DO-35	100PRV (Switching)	✳	.05	.025	.016
36311CJ	1N914**	✦	DO-35	75PRV,.01A (Switching)	✳	.022	.018	.014
312101CJ	MBR1100	✦	DO-41	100PRV, 1.0A (Schottky)	.26	.145	.096	.074
35967CJ	1N3600*	✦	DO-35	50PRV,.20A (Switching)	✳	.04	.029	.017
179215CJ	1N4148	VSH	DO-35	100PRV (Switching)	✳	.04	.03	.025
36038CJ	1N4148**	✦	DO-35	75PRV,.01A (Switching)	✳	.036	.027	.023
151247CJ	1N4148T	✦	DO-35	75PRV,.01A (Switching)	#	#	#	.009
94908CJ	LL4148	✦	DL-35	75PRV @ 50µA, 10mA	†	†	.032	.014
313411CJ	MMBD4148	✦	SOT-23	100 V_{RRM}, 0.20A (Gen. Purp.)	✳	.057	.055	.031

✦ Jameco Value Offering VSH = Vishay † Prepackaged: order in increments of 100
*10 pcs. in Diode/rectifier cabinet kit, pg 50 # Taped-ammo style: order in increments of 1000
**100 pcs. in Diode/rectifier cabinet kit, pg 50

Zener Diodes

Package (see top of pg 50)

Prepackaged: order in increments of 10, 100, 500 or 1000

Part No.	Product No.	Mfr.	Pkg.	V_{znom}	Pwr Dissipation	10	100	500	1000
36290CJ	1N751A*	✦	DO-35	5.1V	0.5W	$.06	$.052	$.045	$.022
288665CJ	MMSZ4697	✦	SOD-123	10V	0.5W	.108	.059	.05	.045
178765CJ	1N4730A	✦	DO-41	3.9V	1W	.069	.055	.045	.029
178773CJ	1N4732A	VSH	DO-41	4.7V	1W	.088	.069	.056	.044
178781CJ	1N4733A	VSH	DO-41	5.1V	1W	.09	.06	.05	.04
36097CJ	1N4733A*	✦	DO-41	5.1V	1W	.08	.065	.042	.026

✦ Jameco Value Offering VSH = Vishay *10 pcs. in Diode/rectifier cabinet kit, pg 50

Zener Diodes continued on next page.

Heat Sinks

Our TO-3 & TO-220 heat sinks are made from black anodized aluminum (except for P / N 107297CJ which is light weight aluminum). They can be mounted horizontally or vertically depending on your applications. P / N 42622CJ and 228005CJ can be mounted vertically with solderable mounting tabs.


326633CJ


326684CJ


326756CJ


326772CJ


326596CJ


326609CJ


326617CJ


326625CJ


326641CJ


326650CJ


326692CJ


326713CJ


326721CJ


326748CJ


326764CJ

Part No.	Cross Ref. No.	Type	Size (L"xW"xH")	1	10	100	1000
326668CJ	577500B00000	TO-126	—	$.33	$.295	$.26	$.25
326633CJ	577304B00000	TO-202	0.52x0.38x0.75	.24	.23	.22	.207
326684CJ	566010B03400	TO-218	1.00x0.51x1.22	.99	.89	.76	.65
326756CJ	529801B02500	TO-218	1.64x0.98x1.51	1.02	.98	.83	.71
326772CJ	530101B00150	TO-218	1.75x0.49x1.75	1.11	1.09	.94	.79
320320CJ	BK-ALU-0034-001	TO-220	1.80x1.50x0.40	.30	.285	.279	.227
326596CJ	507302B00000	TO-220	0.75x0.38x0.74	.25	.23	.20	.18
326609CJ	577002B00000	TO-220	0.51x0.25x0.75	.30	.23	.215	.20
326617CJ	577102B00000	TO-220	0.52x0.37x0.75	.25	.23	.215	.20
326625CJ	577202B00000	TO-220	0.51x0.49x0.75	.27	.23	.215	.20
326641CJ	577002B04000	TO-220	0.53x0.50x0.76	.30	.277	.255	.234
326650CJ	577102B04000	TO-220	0.52x0.38x0.75	.27	.261	.249	.234
326676CJ	593002B03400	TO-220	—	.52	.482	.416	.35
326692CJ	531002B05200	TO-220	1.38x0.50x1.00	.84	.75	.65	.495
326713CJ	531102B02500	TO-220	1.38x0.50x1.51	.86	.80	.68	.575
326721CJ	531202B00000	TO-220	1.38x0.50x2.00	.76	.72	.70	.60
326748CJ	531202B02500	TO-220	1.37x0.49x2.00	.89	.86	.74	.62
326764CJ	531302B02500	TO-220	1.38x0.50x2.50	.92	.90	.77	.65

Other Manufacturers — Great Deals


16512CJ


151546CJ


189835CJ


70914CJ


129242CJ


.200" tabs (3)
42622CJ/228005CJ


40504CJ


158051CJ


70658CJ


107297CJ

Part No.	Cross Ref. No.	Type	Size (L"xW"xH")	1	10	100	1000
16512CJ	DUDE4	TO-3	4.80x1.50x1.30	$2.95	$2.75	$2.49	$2.25
151546CJ	635-125B2	TO-3	1.90x1.40x1.30	1.05	.92	.78	.70
189835CJ	635-5B2	TO-3	1.9x1.4x0.5	1.03	.93	.83	.76
70914CJ	THM6106	TO-220	1.20x1.00x0.50	.35	.30	.28	.26
129242CJ	THM6106	TO-220	1.20x1.00x0.50	.49	.45	.39	.35
42622CJ	563002B00000	TO-220	1.2x1.0x0.5	.35	.30	.28	.26
228005CJ	BK-T220	TO-220	1.2x1.0x0.5	.35	.30	.28	.26
40504CJ	291-H-36AB	TO-220	0.9x1.0x0.4 $.89	.66	.48	.46	.44
158051CJ	577102B00000	TO-220	.75x.52x.38	.39	.35	.29	.25
70658CJ	THM6073	TO-220	0.8x0.7x0.4	.29	.269	.26	.25
107297CJ	PSC2-U (cup-style)	TO-220	0.8x1.0x0.4	.49	.44	.40	.32

Diodes, Transient Voltage Suppressors & Triacs

Color Code Legend: New | Sale | Lower$ | QtySave

Zener Diodes (Continued)

SALE

DO-35/41 SOD-123



Prepackaged: order in increments of 10, 100, 500 or 1000

Part No.	Product No.	Mfr.	Pkg.	V_{Znom}	Pwr Dissipation	10	100	500	1000
178790CJ	1N4734A✪	VSH	DO-41	5.6V	1W	$.038	$.035	$.032	$.029
36118CJ	1N4734A	✦	DO-41	5.6V	1W	.073	.055	.05	.045
178802CJ	1N4735A	VSH	DO-41	6.2V	1W	.055	.049	.04	.036
36126CJ	1N4735A*	✦	DO-41	6.2V	1W	.07	.045	.041	.035
178811CJ	1N4737A	✦	DO-41	7.5V	1W	.06	.039	.036	.032
178829CJ	1N4738A	✦	DO-41	8.2V	1W	.065	.04	.032	.028
178837CJ	1N4739A	✦	DO-41	9.1V	1W	.063	.042	.035	.032
178845CJ	1N4740A	✦	DO-41	10V	1W	.045	.039	.032	.028
178853CJ	1N4742A	VSH	DO-41	12V	1W	.063	.042	.039	.037
36169CJ	1N4742A*	✦	DO-41	12V	1W	.07	.055	.045	.032
178861CJ	1N4744A	VSH	DO-41	15V	1W	.063	.042	.039	.036
36185CJ	1N4744A	✦	DO-41	15V	1W	.058	.035	.026	.021
178888CJ	1N4747A✪	✦	DO-41	20V	1W	.039	.036	.032	.029
178896CJ	1N4748A	✦	DO-41	22V	1W	.032	.029	.027	.024
178909CJ	1N4749A	✦	DO-41	24V	1W	.042	.039	.035	.032
183450CJ	1N4750A✪	✦	DO-41	27V	1W	.022	.02	.018	.016
179004CJ	1N5225B	✦	DO-35	3.0V	0.5W	.041	.031	.021	.019
288702CJ	MMSZ5226B	✦	SOD-123	3.3V	0.5W	.107	.067	.064	.045
179021CJ	1N5229B✪	✦	DO-35	4.3V	0.5W	.023	.021	.019	.017
179039CJ	1N5230B	✦	DO-35	4.7V	0.5W	.04	.032	.023	.02
179047CJ	1N5231B	✦	DO-35	5.1V	0.5W	.04	.035	.03	.027
179055CJ	1N5232B✪	✦	DO-35	5.6V	0.5W	.04	.022	.015	.013
179063CJ	1N5234B	✦	DO-35	6.2V	0.5W	.029	.026	.024	.022
313390CJ	MMBZ5241B	✦	SOT-23	11V	0.35W	.115	.069	.059	.042
179098CJ	1N5242B✪	✦	DO-35	12V	0.5W	.025	.023	.021	.019
179135CJ	1N5250B	✦	DO-35	20V	0.5W	.034	.03	.027	.02
288788CJ	MMSZ5257	✦	SOD-123	33V	0.5W	.116	.05	.044	.04

✦ Jameco Value Offering VSH = Vishay *10 pcs. in Diode/rectifier cabinet kit, see below right

✪ Blue Part No. = Limited Quantity Available

Transient Voltage Suppressors

Package (see pg 48)

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Watts	Pkg.	Min. Brkdwn Volt. (V_{BR})	Stand-Off Voltage	1	10	100	1000
254879CJ	SA6.0A	500	DO-15	6.67	6.0	$.23	$.22	$.20	$.14
256701CJ	SA12A	500	DO-15	13.3	12.0	.20	.19	.17	.13
254991CJ	SA12CA	500	DO-15	13.3	12.0	.30	.29	.27	.24
254983CJ	SA13A	500	DO-15	14.4	13.0	✳	.16	.15	.14
254975CJ	SA15A	500	DO-15	16.7	15.0	.24	.23	.22	.19
254967CJ	SA20A	500	DO-15	22.2	20.0	.20	.19	.18	.13
254916CJ	SA24A	500	DO-15	26.7	24.0	.24	.23	.22	.19
254908CJ	SA28A	500	DO-15	31.1	28.0	.24	.23	.22	.19
254895CJ	SA30A	500	DO-15	33.3	30.0	.31	.30	.25	.18
254887CJ	SA30CA	500	DO-15	33.3	30.0	.46	.37	.28	.17
256663CJ	P6KE6.8A	600	DO-15	6.45	5.8	✳	.19	.18	.15
256647CJ	P6KE7.5A	600	DO-15	7.13	6.4	✳	.19	.17	.14
256639CJ	P6KE9.1A	600	DO-15	8.65	7.8	✳	.19	.165	.14
288999CJ	P6KE10A	600	DO-15	9.5	8.55	.43	.332	.185	.122
288981CJ	P6KE10CA	600	DO-15	9.5	8.55	✳	.183	.135	.12
289035CJ	P6KE12A	600	DO-15	11.4	10.2	.23	.199	.157	.141
289043CJ	P6KE12CA	600	DO-15	11.4	10.2	✳	.183	.134	.119
255943CJ	P6KE16A	600	DO-15	15.2	13.6	.21	.20	.195	.13
255935CJ	P6KE16CA	600	DO-15	15.2	13.6	.25	.24	.225	.19
255919CJ	P6KE18A	600	DO-15	17.1	15.3	.23	.22	.20	.135
255901CJ	P6KE18CA	600	DO-15	17.1	15.3	.23	.22	.20	.136
255863CJ	P6KE20A	600	DO-15	19.0	17.1	✳	.26	.25	.24
272102CJ	P6KE22A	600	DO-15	20.9	18.8	✳	.125	.109	.103
255855CJ	P6KE24A	600	DO-15	22.8	20.5	.23	.22	.20	.135
255847CJ	P6KE24CA	600	DO-15	22.8	20.5	✳	.17	.15	.12
255821CJ	P6KE27A	600	DO-15	25.7	23.1	.26	.25	.24	.17
255812CJ	P6KE27CA	600	DO-15	25.7	23.1	.24	.23	.22	.16
255804CJ	P6KE30A	600	DO-15	28.5	25.6	.26	.25	.23	.19
255791CJ	P6KE30CA	600	DO-15	28.5	25.6	.26	.25	.23	.19
255783CJ	P6KE33A	600	DO-15	31.4	28.2	.25	.24	.23	.18
255775CJ	P6KE33CA	600	DO-15	31.4	28.2	.25	.24	.23	.16
255767CJ	P6KE36A	600	DO-15	34.2	30.8	.23	.22	.20	.136
255759CJ	P6KE39A	600	DO-15	37.1	33.3	.26	.24	.23	.19

Transient Voltage Suppressors (Continued)

DO-15 DO-214AB



✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Watts	Pkg.	Min. Brkdwn Volt. (V_{BR})	Stand-Off Voltage	1	10	100	1000
255741CJ	P6KE39CA	600	DO-15	37.1	33.3	✳	$.17	$.16	$.15
256698CJ	P6KE47A	600	DO-15	44.7	40.2	.20	.19	.18	.13
256680CJ	P6KE47CA	600	DO-15	44.7	40.2	✳	.17	.155	.13
256671CJ	P6KE51A	600	DO-15	48.5	43.6	.23	.207	.166	.124
256655CJ	P6KE68A	600	DO-15	64.6	58.1	.25	.24	.23	.21
256621CJ	P6KE91A	600	DO-15	86.5	77.8	.26	.25	.23	.18
288956CJ	P6KE100A	600	DO-15	95	85.5	✳	.175	.135	.124
316849CJ	P6KE100CA	600	DO-15	95	85.5	.42	.34	.185	.18
255951CJ	P6KE150CA	600	DO-15	143.0	128.0	.36	.33	.28	.17
255927CJ	P6KE180A	600	DO-15	171.0	154.0	.26	.23	.15	.135
255871CJ	P6KE200A	600	DO-15	190.0	171.0	.38	.35	.33	.27
255839CJ	P6KE250CA	600	DO-15	237.0	214.0	.26	.23	.15	.14
313146CJ	SMCJ5.0A	1500	DO-214AB	6.4	5	1.04	.82	.468	.332
313120CJ	SMCJ5.0CA	1500	DO-214AB	6.4	5	.61	.506	.495	.483
313103CJ	SMCJ6.0A	1500	DO-214AB	6.67	6	.73	.56	.55	.54
313218CJ	SMCJ10A	1500	DO-214AB	11.1	10	.76	.61	.58	.552
313234CJ	SMCJ10CA	1500	DO-214AB	11.1	10	.61	.51	.465	.442
313200CJ	SMCJ20A	1500	DO-214AB	22.2	20	.99	.82	.75	.72
313197CJ	SMCJ20CA	1500	DO-214AB	22.2	20	.62	.515	.48	.46
313171CJ	SMCJ24A	1500	DO-214AB	26.7	24	.73	.60	.57	.54
313189CJ	SMCJ24CA	1500	DO-214AB	26.7	24	.76	.58	.302	.255
313162CJ	SMCJ36A	1500	DO-214AB	40	36	.45	.365	.302	.255
313154CJ	SMCJ36CA	1500	DO-214AB	40	36	1.08	.87	.83	.79
313082CJ	SMCJ58CA	1500	DO-214AB	64.4	58	1.09	.87	.83	.79

Diac/Triacs/Quadrac

Package (see pg 48)

✳ Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Mfr.	Pkg.	Type	Rating	1	10	100
160098CJ	HT-32	TEC	DO-35	Diac	27.37 V_{BO}, 2A	✳	$.13	$.12
31819CJ	SC146B	✦	TO-220	Triac	200 V_{DRM}, 10A (2N6342)	1.29	1.15	.99
31827CJ	SC146M	✦	TO-220	Triac	600 V_{DRM}, 10A (2N6344)	1.99	1.69	1.49
160178CJ	L401E3	TEC	TO-92	Triac	400 V_{DRM}, 1A	.65	.56	.52
160194CJ	Q401E3	TEC	TO-92	Triac	400 V_{DRM}, 1A	.59	.50	.38
220468CJ	L4004F31	TEC	TO-220AB	Triac	400 V_{DRM}, 4A	~~$.81~~ .73	.70	.664
160186CJ	L4004F51	TEC	TO-220AB	Triac	400 V_{DRM}, 4A	.85	.76	.69
220450CJ	L4004L3	TEC	TO-220AB	Triac	400 V_{DRM}, 4A	1.09	.99	.90
160240CJ	Q4004LT	TEC	TO-220AB	Quadrac	400 V_{DRM}, 4A	1.09	.93	.69
160207CJ	Q4008L4	TEC	TO-220AB	Triac	400 V_{DRM}, 8A	1.19	1.06	.97
220492CJ	Q4008R4	TEC	TO-220AB	Triac	400 V_{DRM}, 8A	1.05	.97	.89
139336CJ	Q4015L5	✦	TO-220AB	Triac	400 V_{DRM}, 15A	1.55	1.36	1.25
160143CJ	Q4025L6	TEC	TO-220AB	Triac	400 V_{DRM}, 25A	2.59	2.29	1.91
160215CJ	Q6008L5	TEC	TO-220AB	Triac	600 V_{DRM}, 8A	1.15	.98	.73
160231CJ	Q6015L5	TEC	TO-220AB	Triac	600 V_{DRM}, 15A	1.79	1.63	1.49
220513CJ	Q6025P5	TEC	TO-3	Triac	600 V_{DRM}, 25A	7.59	6.75	5.95
220505CJ	Q6025R6	TEC	TO-220AB	Triac	600 V_{DRM}, 25A	2.25	2.05	1.85
220521CJ	Q6035P5	TEC	TO-3	Triac	600 V_{DRM}, 35A	9.69	8.69	7.89
140425CJ	2N6071A	✦	TO-225AA	Triac	200 V_{DRM}, 4A	.29	.27	.25

✦ Jameco Value Offering TEC = Teccor

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

SAVE 14%

Includes:

20 drawer component cabinet (319599CJ),
20 clear plastic drawers (319601CJ),
20 clear dividers (319610CJ), pg 258 and
30 adhesive labels for drawers to identify parts in kit



10 each: 1N270, 1N751A, 1N3600, 1N4001, 1N4007, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148

Part No.	Description	Wt. (lbs.)	1	10
82587CJ	420 pcs. (15 types) diode kit	5.0	$39.95	$35.95
130366CJ	Refill for 82587CJ (420 pcs.)	0.3	25.95	22.30

Silicon Controlled Rectifiers (SCR)

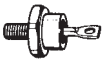
Package (see pg 48)

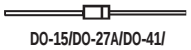
✳ Prepackaged: order in increments of 10, 100 or 1000

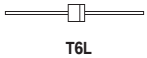
Part No.	Product No.	Mfr.	Pkg.	Rating	1	10	100	1000
14859CJ	C38M	✦	TO-65	600 PRV, 35A (2N3899)	$6.89	$6.19	$5.59	$5.05
14736CJ	C106B1*	✦	TO-202	200 PRV, 4A (2N6239)†	.67	.54	.46	.40
14752CJ	C122B	✦	TO-220	200 PRV, 8A†	.73	.66	.63	.52
14761CJ	C122M	✦	TO-220	600 PRV, 8A†	1.35	1.25	1.05	.69
220484CJ	EC103B	TEC	TO-92	200 V_{DRM}, 0.8A ~~$.29~~	.23	.21	.19	.18
220530CJ	T106B1	TEC	TO-202AB	200 V_{DRM}, 4A	.58	.49	.45	.37
160119CJ	T106D1	TEC	TO-202AB	400 V_{DRM}, 4A	.59	.51	.46	.36
119802CJ	2N5060	✦	TO-92	25 PRV, 0.8A	✳	.19	.15	.12
211422CJ	2N5061	✦	TO-92	60 PRV, 0.8A	✳	.14	.13	.11
120070CJ	2N5062	✦	TO-92	100 PRV, 0.8A	✳	.13	.12	.11
211431CJ	2N5064	✦	TO-92	200 PRV, 0.8A	✳	.18	.16	.14
140417CJ	2N6507	✦	TO-220AB	400 PRV, 25A	1.05	.99	.85	.75
220548CJ	S4025L	TEC	TO-220AB	400 V_{DRM}, 25A	1.65	1.47	1.34	1.29
160135CJ	S6025L	TEC	TO-220AB	600 V_{DRM}, 25A	1.75	1.59	1.43	1.22

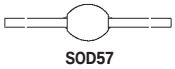
†Isolated ✦ Jameco Value Offering TEC = Teccor *10 pcs. in Diode/Rectifier cabinet kit, pg 50

Rectifiers SALE


DO-5


DO-15/DO-27A/DO-41/ DO-201AD/DO-204AL


T6L


SOD57

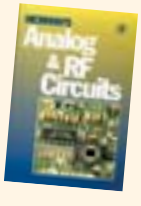
✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Mfr.	Pkg.	Rating	1	10	100	1000
177754CJ	T6A05L	✦	T6L	50 PIV, 6A	$.31	$.28	$.25	$.23
177762CJ	T6A10L	✦	T6L	100 PIV, 6A	.75	.65	.55	.45
177818CJ	T6A100L	✦	T6L	1000 PIV, 6A	.80	.72	.65	.49
301444CJ	MBR1060	✦	TO-220	60 V_{RRM},10A	.63	.56	.48	.43
35924CJ	1N1188	✦	DO-5	400 PRV, 35A	4.65	3.76	3.33	3.15
35975CJ	1N4001*	✦	DO-41	50 PRV, 1A	✳	.035	.025	.015
76961CJ	1N4002	✦	DO-41	100 PRV, 1A	✳	.039	.025	.018
76970CJ	1N4003	✦	DO-41	200 PRV, 1A	✳	.035	.025	.015
35991CJ	1N4004**	✦	DO-41	400 PRV, 1A	✳	.04	.025	.02
76988CJ	1N4005	✦	DO-41	600 PRV, 1A	✳	.035	.025	.015
76996CJ	1N4006	✦	DO-41	800 PRV, 1A	✳	.035	.025	.015
36011CJ	1N4007*	✦	DO-41	1000 PRV, 1A	✳	.038	.029	.02
227846CJ	1N5059	✦	SOD57	200 V_R, 2A	✳	.10	.06	.054
227854CJ	1N5060	✦	SOD57	400 V_R, 2A	✳	.08	.07	.055
227862CJ	1N5061	✦	SOD57	600 V_R, 2A	✳	.10	.09	.06
227871CJ	1N5062	✦	SOD57	800 V_R, 2A	✳	.11	.09	.08
214543CJ	1N5399✪	✦	DO-15	1000 PRV, 1.5A	✳	.045	.025	.01
77075CJ	1N5400	✦	DO-27A	50 PRV, 3A	✳	.10	.095	.075
36249CJ	1N5401	✦	DO-27A	100 PIV, 3A	✳	.093	.085	.051
77083CJ	1N5402	✦	DO-27A	200 PRV, 3A	✳	.10	.075	.056
36265CJ	1N5404*	✦	DO-27A	400 PRV, 3A	✳	.10	.09	.069
36273CJ	1N5408*	✦	DO-27A	1000 PRV, 3A	✳	.15	.11	.08
177949CJ	1N5817	✦	DO-204AL	20 PIV, 1A	✳	.12	.09	.078
177957CJ	1N5818	✦	DO-204AL	30 PIV, 1A	✳	.09	.08	.055
177965CJ	1N5819	✦	DO-204AL	40 PIV, 1A	✳	.10	.085	.075
177973CJ	1N5820	✦	DO-201AD	20 PIV, 3A	✳	.11	.10	.092
177981CJ	1N5821	✦	DO-201AD	30 PIV, 3A	✳	.19	.16	.15
177990CJ	1N5822	✦	DO-201AD	40 PIV, 3A ~~$.23~~	.21	.17	.14	.12

✦ Jameco Value Offering *10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, pg 50

✪ Blue Part No. = Limited Quantity Available

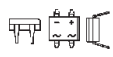
Hickman's Analog & RF Circuits



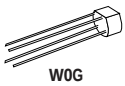
Newnes Publishing The author, one of the leading analog and RF engineers, uses illustrations and examples rather than mathematical theory to present a wealth of ideas and tips based on his experience. Essential reading for anyone designing analog circuits. Topics include RF amplifiers, oscillator design and behavior, waveform analysis, optoelectronics, filters, and op-amps. (299 pages, 1998)

Part No.	Description	Size	Wt. (lbs.)	Price
200150CJ	Analog and RF Circuits	7.4" x 9.2"	1.1	$55.95

Bridge Rectifiers


DF/DIP-4/SDIP-4


KBP


W0G


W0M


BR8D


GBPC


MB35


TB35


179-01

Part No.	Product No.	Mfr.	Pkg.†	Rating	1	10	100	1000
178001CJ	DF005M	✦	DF	50 PIV, 1A	$.35	$.30	$.22	$.15
255960CJ	DF005S	✦	SDIP-4	50 PIV, 1A	.30	.26	.22	.18
103000CJ	DF01M	✦	DF	100 PIV, 1A	.30	.26	.21	.17
103042CJ	DF02M	✦	DF	200 PIV, 1A	.35	.30	.22	.17
102971CJ	DF04M	✦	DF	400 PIV, 1A	.45	.41	.35	.31
103034CJ	DF06M	✦	DF	600 PIV, 1A	.32	.30	.25	.21
103026CJ	DF10M	✦	DF	1000 PIV, 1A	.30	.27	.23	.15
256559CJ	DF10S	✦	SDIP-4	1000 PIV, 1A	.31	.26	.23	.19
256604CJ	DF01S	✦	SDIP-4	100 PIV, 1.5A	.29	.23	.21	.18
256591CJ	DF02S	✦	SDIP-4	200 PIV, 1.5A	.30	.25	.22	.16
256583CJ	DF04S	✦	SDIP-4	400 PIV, 1.5A	.32	.28	.24	.20
256575CJ	DF08M	✦	DIP-4	800 PIV, 1.5A	.35	.30	.25	.18
256567CJ	DF08S	✦	SDIP-4	800 PIV, 1.5A	.29	.27	.22	.20
145429CJ	KBP02M	✦	KBP	200 PIV, 1.5A	.40	.35	.29	.19
119562CJ	KBP04M*	✦	KBP	400 PIV, 1.5A	.45	.32	.23	.19
279494CJ	W005G	✦	W0G	50 PIV, 1.5A	.35	.29	.26	.165
103018CJ	W02G	✦	W0G	200 PIV, 1.5A	.38	.32	.28	.19
102980CJ	W04G	✦	W0G	400 PIV, 1.5A	.36	.27	.18	.17
102998CJ	W06G	✦	W0G	600 PIV, 1.5A ~~$.40~~	.38	.35	.29	.20
179469CJ	W08G	✦	W0G	800 PIV, 1.5A	.35	.32	.26	.18
279515CJ	W10G	✦	W0G	1000 PIV, 1.5A	.34	.30	.21	.18
178124CJ	W005M	✦	W0M	50 PIV, 1.5A ~~$.38~~	.21	.13	.12	.11
178132CJ	W01M	✦	W0M	100 PIV, 1.5A	.36	.27	.20	.17
178141CJ	W02M	✦	W0M	200 PIV, 1.5A	.38	.33	.28	.19
178175CJ	W08M	✦	W0M	800 PIV, 1.5A	.35	.29	.257	.16
178183CJ	BR805D	✦	BR8D	50 PIV, 2A	.55	.49	.39	.35
178204CJ	BR82D	✦	BR8D	200 PIV, 2A	.85	.77	.69	.62
178247CJ	BR810D	✦	BR8D	1000 PIV, 2A	.59	.49	.39	.35
253260CJ	2KBP06M	✦	KBP	600 PIV, 2A	.41	.35	.29	.24
253286CJ	2KBP10M	✦	KBP	1000 PIV, 2A	.40	.35	.29	.24
179477CJ	GBPC25-01	✦	GBPC	100 PIV, 25A	2.49	2.05	1.65	1.43
179485CJ	GBPC25-02	✦	GBPC	200 PIV, 25A	3.25	2.69	2.25	1.65
178280CJ	MB254	✦	MB35	400 PIV, 25A ~~$2.55~~	2.35	2.11	1.68	1.26
178335CJ	TB252	✦	TB35	200 PIV, 25A	2.09	1.85	1.69	1.50
25574CJ	MDA990-3	✦	179-01	200 PIV, 30A	3.99	3.45	2.99	1.85
25591CJ	MDA990-6	✦	179-01	600 PIV, 30A	4.59	4.29	3.99	3.59
299882CJ	GBPC1204	✦	GBPC	400 V_{RRM}, 12A	2.89	2.52	1.35	1.15
299874CJ	GBPC1206	✦	GBPC	600 V_{RRM}, 12A	3.15	2.67	1.15	1.09
299866CJ	GBPC1206W	✦	GBPC-W	600 V_{RRM}, 12A	1.89	1.55	1.10	1.04
178431CJ	MB358	✦	MB35	800 PIV, 35A	3.59	3.29	2.75	1.85
178503CJ	TB3510	✦	TB35	1000 PIV, 35A	2.99	2.49	2.09	1.96

✦ Jameco Value Offering *10 pcs. in Diode/rectifier cabinet kit, pg 50

† DF/KBP/W0G/W0M/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

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TAB Publishing Learn how to locate, test, and repair defective components in audio amplifiers, car radios, cassette decks, TV chassis, compact disc players, power supplies, AM/FM receivers and VCRs. (475 pages, 1997)

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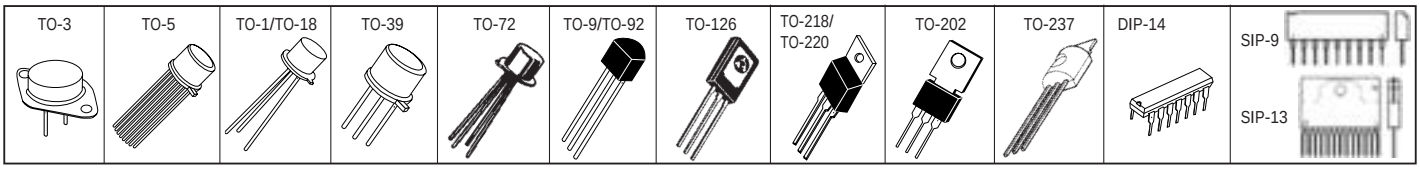
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Analog Circuits

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
260161CJ	NTE778A	DIP-8	Dual operational amplifier	$2.39	$2.29	$2.21
260179CJ	NTE823	DIP-8	Low voltage audio amplifier	1.55	1.49	1.45
275442CJ	NTE824	DIP-8	Stereo preamp.	2.75	2.62	2.49
275451CJ	NTE834	DIP-14	Quad comparator	1.89	1.81	1.65
275469CJ	NTE857M	DIP-8	JFET input op amp.	2.95	2.68	2.22
260187CJ	NTE858M	DIP-8	Dual low noise JFET input op amp.	2.65	2.41	2.15
260195CJ	NTE859	DIP-14	Quad low noise JFET input op amp.	3.75	3.55	3.39
275485CJ	NTE891M	DIP-8	Dual audio op amplifier	1.49	1.47	1.44
275522CJ	NTE916	DIP-16	NPN transistor array	4.25	3.92	3.59
275557CJ	NTE928M	DIP-8	Dual low power op amplifier	2.29	2.05	1.82
275573CJ	NTE937M	DIP-8	JFET input op amplifier	2.85	2.55	2.27
275581CJ	NTE938M	DIP-8	Precision op amplifier	9.49	9.02	8.56
260216CJ	NTE941	TO-5/8	Operational amplifier	5.85	5.69	5.55
260224CJ	NTE941M	DIP-8	Operational amplifier	.92	.88	.85
275602CJ	NTE941SM	DIP-8	General purpose op amplifier	1.15	1.09	1.04
275611CJ	NTE943M	DIP-8	Dual comparator, low power & offset	3.09	2.95	2.67
260232CJ	NTE947D	DIP-14	Dual operational amplifier	4.95	4.58	4.07
275629CJ	NTE948	DIP-14	Quad op amplifier	3.09	2.78	2.48
260241CJ	NTE955M	DIP-8	Timing circuit	1.29	1.25	1.20
275645CJ	NTE955MC	DIP-8	CMOS, mono timer	1.35	1.32	1.29
275696CJ	NTE975	DIP-8	Op amplifier	2.45	2.33	2.20
275717CJ	NTE978	DIP-14	Dual timer	2.49	2.29	1.88
260347CJ	NTE987	DIP-14	Quad low power operational amplifier	1.95	1.85	1.80
275733CJ	NTE997	DIP-14	Quad op amplifier	3.35	2.85	2.54
260355CJ	NTE999	TO-92	Adjustable precision shunt regulator	1.02	.99	.95
272292CJ	NTE1232	TO-220/5	Amp, audio power, 8w, 5-p	6.05	5.79	5.52
272305CJ	NTE1289	DIP-12	TV vertical deflection system	11.05	10.49	9.95
272399CJ	NTE1508	DIP-18	Dot/bar display driver, 10-step	7.25	6.85	6.52
272428CJ	NTE1561	SIP-9	5 LED VU level meter	2.85	2.69	2.57
272495CJ	NTE1684	SIP-7	TV vertical deflection circuit	4.79	4.69	4.58
260128CJ	NTE1714M	DIP-8	Remote control amplifier/driver	4.99	4.19	4.11
272524CJ	NTE1729	DIP-16	PWM control circuit	4.19	4.10	4.00
272532CJ	NTE1773	SIP-7	Vertical deflection output circuit	2.95	2.89	2.82
272559CJ	NTE1782	SIP-7	TV vertical deflection output circuit	4.95	4.83	4.71
272567CJ	NTE1784	DIP-16	Horizontal processor	4.39	4.28	4.17
272575CJ	NTE1788	SIP-7	TV vertical output	5.79	5.67	5.55
272604CJ	NTE1850	SIP-9	Audio amp. dual,12W/ch	7.69	7.53	7.36
272701CJ	NTE2013	DIP-16	7-channel darlington array driver	3.39	3.30	3.21
260136CJ	NTE2014	DIP-16	7-channel darlington array driver	2.85	2.69	2.59
260144CJ	NTE2018	DIP-18	8-channel darlington array driver	3.29	3.15	3.09
272735CJ	NTE2117	DIP-16	MOS 16k DRAM	14.15	13.57	11.88
259291CJ	NTE4001B	DIP-14	Quad 2-input NOR gate	.68	.65	.62
259303CJ	NTE4006B	DIP-14	18-stage static shift register	2.85	2.77	2.71
273800CJ	NTE4011B	DIP-14	CMOS quad 2-input nand gate	.91	.85	.77
259311CJ	NTE4013B	DIP-14	Dual-D flip-flop w/ set/reset	1.10	1.06	1.02
273818CJ	NTE4017B	DIP-16	CMOS decade counter	1.99	1.89	1.71
273826CJ	NTE4026B	DIP-16	CMOS decade counter/divider	2.65	2.58	2.52
259320CJ	NTE4049	DIP-16	Hex buffer/converter (inverting)	1.22	1.18	1.14
273834CJ	NTE4050B	DIP-16	CMOS hex buffer/converter	1.59	1.55	1.51
259338CJ	NTE4066B	DIP-14	Quad bilateral switch	1.42	1.37	1.31
273842CJ	NTE4069	DIP-14	CMOS hex inverter, HV	.76	.75	.73
273851CJ	NTE4081B	DIP-14	CMOS quad 2-input and gate	.68	.67	.65
259346CJ	NTE4093B	DIP-14	Quad 2-input NAND Schmitt trigger	1.05	1.02	.99
273914CJ	NTE4538B	DIP-16	CMOS dual multivibrator	1.69	1.65	1.61
273922CJ	NTE4584B	DIP-14	CMOS hex Schmitt trigger	1.29	1.25	1.21
275039CJ	NTE6403	—	Silicon bilateral switch	7.59	7.42	7.24
275071CJ	NTE6800	DIP-40	MPU, NMOS, 8-bit, 1MHz	13.69	13.14	11.51
275080CJ	NTE6821	DIP-40	PIA, NMOS, 1MHz	7.39	7.06	6.42
260152CJ	NTE7039	SIP-13	Vert. deflection output circuit w/ drive circuit	3.19	3.09	2.99
275098CJ	NTE7096	DIP-8	PWM control circuit	2.99	2.87	2.75

Analog Circuits (Continued)

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
275101CJ	NTE7104	SIP-13	Vertical deflection output circuit	$2.89	$2.82	$2.74
275338CJ	NTE75188	DIP-14	DTL quad line driver, RS-232	1.55	1.52	1.48
259397CJ	NTE75189	DIP-14	Quad line receiver	1.22	1.18	1.14

Logic Circuits

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
275119CJ	NTE7400	DIP-14	TTL NAND gate	$1.25	$1.17	$1.08
275223CJ	NTE74LS00	DIP-14	LS-TTL NAND gate	.73	.72	.70
275127CJ	NTE7402	DIP-14	TTL NOR gate	.95	.92	.89
275194CJ	NTE74HC02	DIP-14	Hi-speed CMOS quad 2-input gate	.55	.54	.52
275231CJ	NTE74LS02	DIP-14	LS-TTL NOR gate	.73	.72	.70
275240CJ	NTE74LS03	DIP-14	LS-TTL quad 2-input NAND gate (O.C.)	.73	.72	.70
275135CJ	NTE7404	DIP-14	TTL hex inverter	.84	.82	.80
275258CJ	NTE74LS04	DIP-14	LS-TTL hex inverter	.90	.88	.86
275143CJ	NTE7406	DIP-14	TTL hex inverter buffer	1.15	1.10	.95
259354CJ	NTE7407	DIP-14	Hex buffer/driver	1.29	1.25	1.20
259362CJ	NTE7408	DIP-14	Quad 2-input AND gate	1.06	1.03	.99
275266CJ	NTE74LS08	DIP-14	LS-TTL quad 2-input AND gate	.80	.78	.76
275274CJ	NTE74LS11	DIP-14	LS-TTL triple 3-input AND gate	.72	.70	.68
275207CJ	NTE74HC14	DIP-14	Hi-speed CMOS hex schmitt	.65	.64	.62
275151CJ	NTE7432	DIP-32	TTL quad 2-input OR gate	1.29	1.26	1.22
275303CJ	NTE74LS32	DIP-32	LS-TTL quad 2-input OR gate	.86	.83	.81
275178CJ	NTE7474	DIP-14	TTL dual “D” flip-flop	.69	.65	.59
259389CJ	NTE7475	DIP-16	4-bit bi-stable latch	3.89	3.71	3.54
275320CJ	NTE74LS76A	DIP-16	TTL dual flip/flop	.92	.90	.88
275186CJ	NTE7490	DIP-14	TTL decade counter	1.45	1.41	1.37
275426CJ	NTE8216	DIP-16	Schottky bus driver	4.89	4.52	4.14
273797CJ	NTE40106B	DIP-14	CMOS hex Schmitt trigger	1.25	1.22	1.18
259371CJ	NTE74121	DIP-14	Monostable multivibrator	2.29	2.21	1.97
275282CJ	NTE74LS192	DIP-16	TTL up/down counter	2.49	2.43	2.37
275215CJ	NTE74HC244	DIP-20	Hi-speed CMOS octal buffer	1.29	1.27	1.24
275291CJ	NTE74LS244	DIP-20	TTL quad driver	3.65	3.55	3.46
275311CJ	NTE74LS490	DIP-16	TTL dual decade counter	3.05	2.97	2.90

Voltage Regulators

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
261358CJ	NTE309K	TO-3	+5V, 1A	$8.05	$7.85	$7.65
275531CJ	NTE923	10-Lead MC	+2-37V, 150mA	4.99	4.74	4.50
275549CJ	NTE923D	DIP-14	+2-37V, 150mA	1.45	1.38	1.31
260208CJ	NTE931	TO-3	+5V, 3A	11.59	11.02	9.86
275565CJ	NTE935	TO-3	+1.2-32V, 5A	13.89	13.19	12.53
275637CJ	NTE950	TO-92	+12V, 100mA	2.15	2.03	1.92
275653CJ	NTE956	TO-220	+1.2-37V, 1.5A	2.25	2.01	1.79
275661CJ	NTE957	TO-220	-1.2-37V, 1.5A	3.29	2.76	2.64
260259CJ	NTE960	TO-220	+5V, 1A	1.65	1.59	1.53
260267CJ	NTE961	TO-220	-5V, 1A	1.65	1.59	1.53
260275CJ	NTE962	TO-220	+6V, 1A	1.32	1.28	1.23
260283CJ	NTE964	TO-220	+8V, 1A	1.29	1.25	1.19
260291CJ	NTE966	TO-220	+12V, 1A	1.65	1.59	1.53
260304CJ	NTE967	TO-220	-12V, 1A	1.65	1.59	1.53
260312CJ	NTE968	TO-220	+15V, 1A	1.65	1.59	1.53
275670CJ	NTE969	TO-220	-15V, 1A	1.65	1.59	1.39
275688CJ	NTE970	TO-3	+1.2-33V, 3A	10.55	10.02	9.52
260321CJ	NTE971	TO-220	-24V, 1A	4.65	4.39	4.15
260339CJ	NTE972	TO-220	+24V, 1A	1.65	1.59	1.53
275709CJ	NTE977	TO-92	+5V, 100mA	1.35	1.30	1.15
272541CJ	NTE1777	SIP-5	+130V, 1A	12.35	12.01	11.66
272591CJ	NTE1840	SIP-5	+41.8V, 2A hybrid switching	13.75	12.65	11.54
272612CJ	NTE1910	TO-220	+9V, 1A switching	1.59	1.55	1.51

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Voltage Regulators (Continued)

Package (see pg 52)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
261331CJ	NTE1914	TO-3	+12V, 1A	$3.75	$3.72	$3.69
261340CJ	NTE1915	TO-3	-12V, 1A	3.89	3.85	3.79
272621CJ	NTE1916	TO-3	+15V, 1.5A	4.69	4.49	4.09
272647CJ	NTE1936	TO-3P	+12V, 2A	6.05	5.90	5.75

Transistors

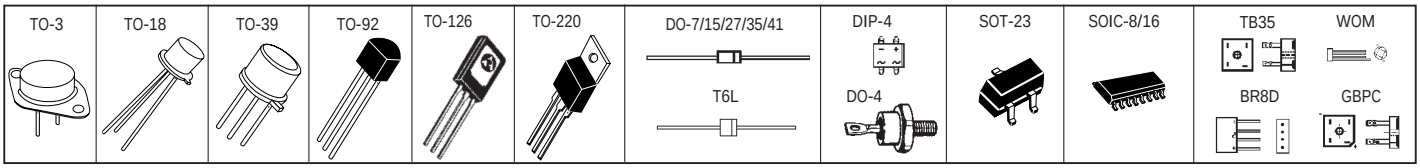
Package (see pg 52)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
272250CJ	NTE11	TO-92	NPN silicon, high current amplifier	$1.45	$1.06	$.99
273017CJ	NTE24	TO-237	NPN silicon, general-purpose amp., switch	1.42	1.17	1.14
273551CJ	NTE31	TO-92	NPN silicon, AF driver output	2.35	2.27	2.00
273594CJ	NTE32	TO-92	PNP silicon, TV sound/vert., AF drivr output	2.45	2.37	2.07
273640CJ	NTE36	TO-220	NPN AF power amp., high-curr. switch	6.09	5.84	5.59
273658CJ	NTE37	TO-220	PNP AF power amp., high-curr. switch	4.65	4.55	4.45
273931CJ	NTE46	TO-92	NPN silicon, gen-pur. amp., preamp., driver	1.49	1.45	1.28
261083CJ	NTE47	TO-92	NPN high-gain, low-noise	.61	.59	.57
261104CJ	NTE48	TO-92	NPN darlington, high-current	.95	.92	.89
274301CJ	NTE51	TO-220	NPN high-voltage high-speed switch	3.15	2.99	2.71
274440CJ	NTE53	TO-3	NPN hi-speed switch	11.39	11.12	10.84
274520CJ	NTE54	TO-220	NPN audio power amplifier	2.95	2.82	2.56
261112CJ	NTE55	TO-220	PNP complementary trans., hi-freq. driver	3.55	3.39	3.25
274976CJ	NTE60	TO-3	NPN silicon complementary transistor	9.49	8.55	7.09
275063CJ	NTE68	TO-3	PNP silicon, gen-purpose hi-pwr audio	9.85	9.57	9.29
261139CJ	NTE85	TO-92	NPN general-purpose amplifier	.84	.79	.76
275477CJ	NTE89	TO-3	NPN color TV horizontal output	10.09	9.56	8.69
275506CJ	NTE91	TO-92	PNP silicon, gen-purpose hi-gain amp.	1.09	1.04	.95
275590CJ	NTE94	TO-3	NPN high-voltage switch	4.89	4.78	4.67
275725CJ	NTE98	TO-3	NPN silicon, HV darl. pwr amp., switch	18.39	17.47	16.60
260507CJ	NTE100	TO-18	PNP germanium comp. trans. oscillator	3.15	3.09	3.04
260515CJ	NTE102	TO-18	PNP germanium comp. trans. pwr output driver	3.69	2.49	2.35
272225CJ	NTE102A	TO-1	PNP germanium, medium power amp.	2.09	2.06	2.03
272233CJ	NTE103A	TO-1	NPN darlington power amplifier	1.55	1.45	1.39
272241CJ	NTE107	TO-92	NPN silicon, UHF oscillator for tuner	1.25	1.15	1.06
260523CJ	NTE108	TO-92	NPN high-frequency amplifier	1.34	1.29	1.24
272284CJ	NTE121	TO-3	PNP hi pwr, low coll. sat. volt pwr output	10.89	10.15	9.65
260531CJ	NTE123	TO-18	NPN general-purpose audio amp., switch	.75	.73	.71
260540CJ	NTE123A	TO-18	NPN comp. transistor, general-purpose	1.07	1.04	.99
260558CJ	NTE123AP	TO-92	NPN audio amplifier switch	.86	.79	.74
260566CJ	NTE128	TO-39	NPN comp. trans., audio output, video driver	1.19	1.15	1.07
260574CJ	NTE128P	TO-237	NPN comp. transistor, general-purpose	1.29	1.25	1.20
260582CJ	NTE129	TO-237	PNP comp. transistor, general-purpose	2.25	2.19	2.09
272313CJ	NTE129P	TO-237	PNP silicon, general-purpose amp.	1.19	1.16	1.02
260591CJ	NTE130	TO-3	NPN audio pwr amp., medium speed switch	2.75	2.52	2.29
272401CJ	NTE152	TO-220	NPN audio power amplifier	1.79	1.75	1.49
272410CJ	NTE153	TO-220	PNP silicon, audio power amp., switch	2.05	1.96	1.69
260603CJ	NTE154	TO-39	NPN high-voltage video output	2.85	2.65	2.56
272444CJ	NTE157	TO-126	NPN silicon, HV audio power	1.75	1.65	1.44
272452CJ	NTE158	T0-1	PNP germanium audio power amp.	2.15	2.08	2.01
260611CJ	NTE159	TO-92	PNP audio amplifier switch	.96	.91	.87
272461CJ	NTE159M	TO-18	PNP silicon, general-purpose	.78	.76	.74
272479CJ	NTE160	TO-72	PNP germanium RF-IF amp., FM mixer osc.	4.09	3.89	3.55
272516CJ	NTE171	TO-202	NPN silicon audio/video amplifier	1.85	1.75	1.61
260620CJ	NTE172A	TO-92	NPN darlington pre-amp., med. sp. switch	.62	.61	.58
260638CJ	NTE175	TO-3	NPN comp. trans., hi-volt. med. pwr switch	3.29	3.25	3.19
272583CJ	NTE180	TO-3	PNP silicon, high-power audio amp.	7.79	7.44	6.78
260646CJ	NTE181	TO-3	NPN high-power audio amplifier	6.59	6.29	6.01
260654CJ	NTE184	TO-126	NPN comp. trans. audio pwr amp., switch	1.79	1.75	1.69
260662CJ	NTE185	TO-126	PNP comp. trans. audio pwr amp., switch	1.89	1.85	1.77
272639CJ	NTE192	TO-92	NPN audio power output	1.79	1.68	1.53
272655CJ	NTE194	TO-92	NPN silicon, audio power amplifier	.58	.56	.49
260671CJ	NTE196	TO-220	NPN comp. trans. audio pwr output&med. pwr switch	2.45	2.39	2.13
272663CJ	NTE197	TO-220	PNP silicon, audio power output	2.35	2.24	2.04
272671CJ	NTE198	TO-220	NPN silicon, hi-volt power transistor	2.55	2.43	2.20
260689CJ	NTE199	TO-92	NPN low noise, high-gain amplifier	.67	.65	.62
272743CJ	NTE219	TO-3	PNP silicon, audio pwr amp., med sp switch	4.15	3.97	3.61
272786CJ	NTE232	TO-92	PNP silicon, darl. amp., preamp.	.78	.75	.66
260777CJ	NTE234	TO-92	PNP low-noise, high-gain amplifier	.89	.85	.81

Transistors (Continued)

Package (see pg 52)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
272866CJ	NTE236	TO-220	NPN silicon, RF power output	$9.05	$7.82	$7.62
260822CJ	NTE238	TO-3	NPN color TV horizontal output	5.55	5.49	5.45
273041CJ	NTE243	TO-3	NPN darlington medium power amp.	3.15	2.92	2.68
260857CJ	NTE247	TO-3	NPN comp. trans. darlington power amp.	5.29	4.99	4.80
273076CJ	NTE248	TO-3	PNP darlington power amplifier	6.05	5.59	5.13
273084CJ	NTE249	TO-3	NPN darlington power amplifier	7.89	7.71	7.53
273121CJ	NTE251	TO-3	NPN darlington power amplifier	8.19	8.02	7.85
273130CJ	NTE252	TO-3	PNP darlington power amplifier	7.99	7.82	7.64
260865CJ	NTE253	TO-126	NPN comp. trans. darlington power amp.	1.55	1.49	1.43
273156CJ	NTE254	TO-218	PNP darlington power amplifier	2.19	2.10	1.92
260881CJ	NTE261	TO-220	NPN comp. trans. darlington power amp.	2.29	2.22	2.15
260890CJ	NTE262	TO-220	PNP comp. trans. darlington power amp.	2.55	2.49	2.40
260902CJ	NTE263	TO-220	NPN comp. trans. darlington power amp.	2.55	2.39	2.30
260911CJ	NTE264	TO-220	PNP comp. trans. darlington power amp.	2.89	2.85	2.75
260929CJ	NTE265	TO-220	NPN darlington power amplifier	3.79	3.74	3.65
273172CJ	NTE270	TO-218	NPN darlington power amplifier	4.59	4.41	4.07
273181CJ	NTE271	TO-218	PNP darl. power amplifier, switch	5.79	5.25	4.67
273199CJ	NTE272	TO-202	NPN darlington	13.95	11.85	11.20
273201CJ	NTE283	TO-3	NPN silicon, horizontal output, switch	9.79	9.52	9.25
273210CJ	NTE284	TO-3	NPN audio power amplifier	9.89	9.64	9.38
260937CJ	NTE287	TO-92	NPN comp. trans. hi-volt., general-purpose	.87	.85	.80
260945CJ	NTE288	TO-92	PNP comp. trans. hi-volt., general-purpose	.80	.74	.65
260953CJ	NTE289A	TO-92	NPN comp. transistor audio power amp.	1.22	1.19	1.14
273228CJ	NTE290	TO-92	PNP silicon audio power amp., switch	1.05	1.03	1.00
260961CJ	NTE290A	TO-92	PNP comp. transistor audio power amp.	1.38	1.34	1.28
260970CJ	NTE291	TO-220	NPN comp. trans. medium power amp., switch	2.15	2.09	2.01
273236CJ	NTE292	TO-220	PNP silicon med-pwr amp., switch	2.29	2.09	1.73
273244CJ	NTE293	TO-92	NPN audio power amp. and driver	1.65	1.55	1.41
273252CJ	NTE294	TO-92	PNP silicon, audio amp. and driver	1.65	1.55	1.41
273261CJ	NTE295	TO-126	NPN silicon, RF pwr output, driver	2.99	2.77	2.55
260988CJ	NTE311	TO-39	NPN frequency multiplier driver, VHF/UHF	2.79	2.75	2.67
260996CJ	NTE316	TO-39	NPN high-gain, low-noise amp.	3.09	3.02	2.95
273615CJ	NTE323	TO-39	PNP silicon, general-purpose	3.29	3.13	2.85
273623CJ	NTE324	TO-39	NPN silicon complementary transistor	4.25	3.92	3.59
261008CJ	NTE331	TO-220	NPN comp. trans. audio power amp., switch	2.89	2.74	2.61
261016CJ	NTE332	TO-220	PNP comp. trans. audio power amp., switch	2.89	2.75	2.62
261024CJ	NTE373	TO-126	NPN comp. transistor audio amp. driver	1.69	1.64	1.57
261032CJ	NTE374	TO-126	PNP comp. transistor audio amp. driver	1.75	1.65	1.61
273666CJ	NTE375	TO-220	NPN silicon, TV veritcal output	2.19	2.01	1.66
273674CJ	NTE377	TO-220	NPN silicon, pwr amp. driver, output, switch	2.49	2.39	2.16
261041CJ	NTE378	TO-220	PNP comp. trans. pwr amp. driver output switch	2.75	2.55	2.46
261059CJ	NTE379	TO-220	NPN power amp. high-voltage switch	7.15	7.09	6.99
273682CJ	NTE382	TO-92	NPN silicon, AF driver output	2.05	1.97	1.72
273691CJ	NTE383	TO-92	PNP silicon, audio frequency driver	1.65	1.55	1.41
273703CJ	NTE384	TO-3	NPN silicon, high-volt. pwr amp., switch	5.59	5.35	4.85
273711CJ	NTE385	TO-3	NPN silicon, audio power amp., switch	8.55	8.37	8.18
273720CJ	NTE386	TO-3	NPN silicon, audio power amp., switch	17.69	17.22	16.74
273738CJ	NTE388	TO-3	NPN silicon, gen-purpose hi-pwr audio	11.65	10.99	9.99
273746CJ	NTE392	TO-218	NPN silicon, general-purpose amp.	5.59	5.33	4.83
273754CJ	NTE393	TO-218	PNP silicon, general-purpose amp.	5.19	4.97	4.58
273762CJ	NTE395	TO-72	PNP silicon, wide-band linear amplifier	3.25	2.82	2.63
273771CJ	NTE396	TO-39	NPN silicon, pwr amp. & hi-speed switch	2.45	2.37	2.07
261067CJ	NTE397	TO-39	PNP power amp. & high-speed switch	2.75	2.51	2.23
273789CJ	NTE398	TO-220	PNP silicon TV vertical output	2.29	2.07	1.71
261075CJ	NTE399	TO-92	NPN high-voltage video amp.	2.75	2.64	2.52
261091CJ	NTE473	TO-39	NPN RF power driver	5.19	5.15	5.09
260700CJ	NTE2300	TO-220	NPN high-voltage horizontal output	5.09	4.59	4.13
272751CJ	NTE2302	TO-220	NPN silicon, color TV horiz. deflection output	6.29	6.16	6.02
272760CJ	NTE2308	TO-220	NPN silicon, hi-volt, hi-current switch	6.49	6.19	5.64
260718CJ	NTE2311	TO-218	NPN high-voltage high-speed switch	14.25	13.45	12.82
260726CJ	NTE2312	TO-220	NPN high-voltage high-speed switch	4.75	4.49	4.30
272778CJ	NTE2319	TO-3	NPN silicon, hi-volt, hi-speed pwr switch	6.89	6.73	6.56
272794CJ	NTE2321	DIP-14	NPN silicon, quad general-purpose	3.35	3.00	2.71
260734CJ	NTE2322	DIP-14	PNP quad general-purpose	2.85	2.57	2.28
260742CJ	NTE2324	TO-220	NPN color TV horiz. deflection output	8.55	8.15	7.96
272807CJ	NTE2325	TO-220	NPN silicon, high-voltage switch	2.55	2.15	2.10
272815CJ	NTE2328	TO-126	NPN silicon complementary trans.	6.69	6.02	5.42



Transistors (Continued)

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
260751CJ	NTE2329	TO-126	PNP comp. trans. audio power output	$5.75	$5.69	$5.65
260769CJ	NTE2331	TO-220	NPN color TV horiz. deflection output w/ damper diode	6.85	6.79	6.75
272823CJ	NTE2333	TO-220	NPN silicon, power transistor	3.05	2.98	2.91
260785CJ	NTE2343	TO-220	NPN comp. trans., darlington pwr amp., switch	2.09	1.95	1.92
272831CJ	NTE2354	TO-3P	NPN silicon, hi-volt horizontal output	11.69	11.05	10.04
272840CJ	NTE2355	TO-92	NPN silicon w/ 10k bias resistor	.84	.81	.74
260793CJ	NTE2344	TO-220	PNP comp. trans., darlington pwr amp., switch...	1.65	1.55	1.51
260806CJ	NTE2349	TO-3	NPN darlington trans., hi-curr. gen-purpose	15.65	15.39	15.25
260814CJ	NTE2353	TO-220	NPN TV horiz. deflection output w/ damper diode	5.75	5.69	5.65
272858CJ	NTE2356	TO-92	PNP silicon, w/ 2 10k bias resistors	.78	.65	.63
272874CJ	NTE2361	TO-92	NPN silicon, high-speed switch	.62	.60	.55
272882CJ	NTE2362	TO-92	PNP silicon, high-speed switch	.96	.79	.77
272891CJ	NTE2363	TO-92	NPN silicon, hi-curr. gen-pur. amp./switch	.75	.62	.60
272903CJ	NTE2365	TO-126	NPN silicon, hi-volt TV horiz defl. output	14.79	14.44	14.09
273025CJ	NTE2406	SOT-23	NPN silicon, gen-purpose amp., SMT	1.45	1.39	1.28
273033CJ	NTE2407	SOT-23	PNP silicon, gen-purpose amp., SMT	1.55	1.49	1.37
260831CJ	NTE2408	SOT-23	NPN general-purpose amp. (2/pk.)	1.25	1.19	1.15
260849CJ	NTE2409	SOT-23	PNP general-purpose amp. (2/pk.)	1.25	1.19	1.15
273050CJ	NTE2430	SOT-89	NPN silicon, high-volt amp./switch	1.75	1.71	1.67
273068CJ	NTE2431	SOT-89	PNP silicon, high-volt amp./switch	1.59	1.55	1.51
273092CJ	NTE2501	TO-126ML	NPN silicon, high-volt for video output	1.75	1.66	1.51
273105CJ	NTE2507	TO-220	NPN silicon high-freq. video output	5.95	5.33	4.79
273113CJ	NTE2508	TO-126ML	NPN video output for HDTV	1.49	1.45	1.41
273148CJ	NTE2521	TO-126ML	NPN video output for HDTV	5.15	4.45	4.19
260873CJ	NTE2543	TO-220	NPN darlington motor/relay driver	3.29	3.25	3.19
273164CJ	NTE2582	TO-220	NPN silicon hi-speed switching reg.	4.19	4.10	4.01
275012CJ	NTE6401	TO-18	Silicon unijunction	5.65	5.51	5.37
275021CJ	NTE6402	TO-92	Silicon programmable unijunction	1.39	1.35	1.18
275047CJ	NTE6409	TO-18	Silicon unijunction	6.05	5.92	5.78
261121CJ	NTE6410	TO-92	Unijunction transistor	4.79	4.75	4.69
272487CJ	NTE16004	TO-39	PNP silicon, hi-current, gen-purpose	1.79	1.75	1.70

JFETs

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
272321CJ	NTE133	TO-106	N-ch JFET general-purpose AF amp.	$.91	$.89	$.87
273578CJ	NTE312	TO-92	N-ch JFET	1.25	1.23	1.20
273631CJ	NTE326	TO-92	P-ch JFET general-purpose AF amp.	1.45	1.39	1.26
273906CJ	NTE451	TO-92	N-ch JFET UHF/VHF amplifier	1.65	1.61	1.57
260427CJ	NTE457	TO-92	N-ch JFET general-purpose	1.04	.99	.95
260435CJ	NTE458	TO-92	N-ch JFET low-noise, audio-freq. amp.	1.69	1.65	1.59
273949CJ	NTE466	TO-18	N-ch JFET chopper, high-speed switch	2.79	2.56	2.33

MOSFETs

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
275055CJ	NTE66	TO-220	N-ch enhancement mode hi -speed switch	$6.89	$6.58	$5.99
260443CJ	NTE222	TO-39	Dual gate N-channel MOSFET	10.55	9.59	8.95
273957CJ	NTE490	TO-92	N-ch enhancement mode hi-speed switch	.81	.80	.78
273981CJ	NTE491	TO-92	N-ch enhancement mode hi-speed switch	.63	.62	.60
272911CJ	NTE2371	TO-220	P-ch enhancement mode	6.89	6.75	6.61
272920CJ	NTE2374	TO-220	N-ch enhancement mode	4.29	4.00	3.70
272938CJ	NTE2377	TO-3P	N-ch enhancement mode hi-speed switch	10.85	10.55	10.24
272946CJ	NTE2379	TO-220	N-ch enhancement mode	4.09	4.00	3.91
272954CJ	NTE2382	TO-220	N-ch enhancement mode hi-speed switch	3.59	3.43	3.11
272962CJ	NTE2383	TO-220	P-ch enhancement mode hi-speed switch	7.89	7.54	6.86
272971CJ	NTE2385	TO-220	N-ch enhancement mode hi-speed switch	5.59	4.77	4.53
272989CJ	NTE2387	TO-220	N-ch enhancement mode hi-speed switch	9.79	9.56	9.32
272997CJ	NTE2388	TO-220	N-ch enhancement mode hi-speed switch	6.09	5.67	5.04
260451CJ	NTE2389	TO-220	N-ch enhancement mode hi-speed switch	5.35	5.15	4.91
260460CJ	NTE2394	TO-126	N-ch enhancement mode hi-speed switch	11.25	11.19	11.09
260478CJ	NTE2395	TO-220	N-ch enhancement mode hi-speed switch	5.59	5.39	5.15
273009CJ	NTE2396	TO-220	N-ch enhancement mode hi-speed switch	5.09	4.59	4.13

MOSFETs (Continued)

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
260486CJ	NTE2397	TO-220	N-ch enhancement mode hi-speed switch	$5.59	$5.39	$5.15
260494CJ	NTE2398	TO-220	N-ch enhancement mode hi-speed switch	3.75	3.69	3.65
273279CJ	NTE2987	TO-220	N-ch enhancement mode hi-speed switch	6.59	6.44	6.29

Diodes

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
259418CJ	NTE109	DO-7	Germanium fast switching	$1.18	$1.14	$1.10
272268CJ	NTE110A	DO-7	Germanium general-purpose	1.09	.99	.89
272276CJ	NTE110MP	DO-7	Germanium point contact	1.55	1.47	1.39
259426CJ	NTE112	DO-35	Silicon small signal schottky	1.48	1.34	1.20
259434CJ	NTE177	DO-35	Silicon general-purpose	.30	.28	.26
259442CJ	NTE519	DO-7	Silicon ultra-fast switch	.34	.31	.29
274431CJ	NTE525	DO-41	Silicon high-volt, fast-recovery switch	2.55	2.44	2.20
274634CJ	NTE553	DO-35	Schottky barrier diode	.91	.89	.87
259451CJ	NTE570	DO-7	Silicon controlled avalanche diode	1.23	1.19	1.15
259469CJ	NTE583	DO-7	Schottky RF switch	1.27	1.22	1.19
274853CJ	NTE585	DO-41	Schottky barrier, fast switching	.92	.91	.78
274861CJ	NTE586	DO-27	Schottky barrier, fast switching	1.75	1.67	1.59
274870CJ	NTE587	DO-41	Silicon untra-fast switching	.82	.80	.69
259477CJ	NTE588	DO-7	Silicon 200V, 3A fast switch	1.25	1.21	1.16
274917CJ	NTE593	SOT-23	Silicon, high-speed switch	1.75	1.68	1.59
274925CJ	NTE596	SOT-23	Silicon, dual diode, common anode	1.69	1.65	1.61
259485CJ	NTE618	—	Silicon tuning diode for AM radio, varactor	1.79	1.75	1.69

Zener Diodes

Package (see above)

Part No.	Cross Ref.	Pkg.	Voltage	Wattage	Qty.	1	10	25
274028CJ	NTE5002A	DO-35	2.7V	1/2W	1/pk.	$.73	$.72	$.70
274036CJ	NTE5004A	DO-35	3V	1/2W	1/pk.	.73	.72	.70
274044CJ	NTE5005A	DO-35	3.3V	1/2W	1/pk.	.73	.72	.70
274052CJ	NTE5007A	DO-35	3.9V	1/2W	1/pk.	.51	.48	.44
274061CJ	NTE5009A	DO-35	4.7V	1/2W	1/pk.	.51	.48	.44
259565CJ	NTE5010A	DO-35	5.1V	1/2W	1/pk.	.39	.36	.33
274079CJ	NTE5011A	DO-35	5.6V	1/2W	1/pk.	.51	.48	.43
274087CJ	NTE5012A	DO-35	6V	1/2W	1/pk.	.73	.72	.70
274095CJ	NTE5013A	DO-35	6.2V	1/2W	1/pk.	.51	.48	.44
274108CJ	NTE5014A	DO-35	6.8V	1/2W	1/pk.	.51	.48	.44
274116CJ	NTE5015A	DO-35	7.5V	1/2W	1/pk.	.73	.72	.70
274124CJ	NTE5018A	DO-35	9.1V	1/2W	1/pk.	.73	.72	.70
274132CJ	NTE5019A	DO-35	10V	1/2W	1/pk.	.49	.48	.42
259573CJ	NTE5021A	DO-35	12V	1/2W	1/pk.	.49	.45	.40
259581CJ	NTE5024A	DO-35	15V	1/2W	1/pk.	.49	.48	.47
274141CJ	NTE5031A	DO-35	24V	1/2W	1/pk.	.73	.72	.70
274159CJ	NTE5035A	DO-35	30V	1/2W	1/pk.	.73	.72	.70
274167CJ	NTE5057A	DO-35	170V	1/2W	1/pk.	.73	.72	.70
272330CJ	NTE134A	DO-35	3.6V	1W	2/pk.	.52	.50	.48
259493CJ	NTE135A	DO-35	5.1V	1W	2/pk.	.53	.51	.49
259506CJ	NTE136A	DO-35	5.6V	1W	2/pk.	.44	.41	.39
272348CJ	NTE137A	DO-35	6.2V	1W	2/pk.	.56	.54	.47
259514CJ	NTE138A	DO-35	7.5V	1W	2/pk.	.53	.50	.47
272356CJ	NTE139A	DO-35	9.1V	1W	2/pk.	.52	.49	.47
272364CJ	NTE140A	DO-35	10V	1W	2/pk.	.52	.50	.47
259522CJ	NTE142A	DO-35	12V	1W	2/pk.	.56	.55	.53
259531CJ	NTE143A	DO-35	13V	1W	2/pk.	.44	.43	.42
272372CJ	NTE144A	DO-35	14V	1W	2/pk.	.63	.60	.57
259549CJ	NTE145A	DO-35	15V	1W	2/pk.	.44	.41	.39
272381CJ	NTE146A	DO-35	27V	1W	2/pk.	.51	.49	.44
259557CJ	NTE147A	DO-35	33V	1W	2/pk.	.44	.41	.39
274183CJ	NTE5066A	DO-35	3.3V	1W	2/pk.	2.15	2.12	2.08
274191CJ	NTE5069A	DO-35	4.7V	1W	2/pk.	1.45	1.39	1.26
274204CJ	NTE5071A	DO-35	6.8V	1W	2/pk.	1.45	1.39	1.26
274212CJ	NTE5072A	DO-35	8.2V	1W	2/pk.	1.85	1.81	1.77

Please call our sales rep if you cannot find a specific NTE replacement product. We also offer special pricing on large quantity orders.

Zener Diodes (Continued)

Package (see pg 54)

Part No.	Cross Ref.	Pkg.	Voltage	Wattage	Qty.	1	10	25
274221CJ	NTE5075A	DO-35	16V	1W	2/pk.	$1.85	$1.81	$1.77
259590CJ	NTE5077A	DO-35	18V	1W	2/pk.	1.42	1.38	1.32
274239CJ	NTE5079A	DO-35	20.0V	1W	2/pk.	1.45	1.39	1.26
274247CJ	NTE5080A	DO-35	22.0V	1W	2/pk.	2.15	2.12	2.08
274255CJ	NTE5081A	DO-35	24V	1W	2/pk.	1.85	1.81	1.77
274263CJ	NTE5084A	DO-35	30V	1W	2/pk.	1.45	1.39	1.26
274271CJ	NTE5085A	DO-35	36V	1W	2/pk.	1.85	1.81	1.77
274280CJ	NTE5093A	DO-35	75V	1W	2/pk.	1.85	1.81	1.77
274298CJ	NTE5096A	DO-35	100V	1W	2/pk.	1.85	1.81	1.77
274319CJ	NTE5100A	DO-35	150V	1W	2/pk.	1.45	1.38	1.20
259602CJ	NTE5105A	DO-35	200V	1W	2/pk.	1.85	1.57	1.17
274327CJ	NTE5116A	DO-35	5.1V	5W	1/pk.	2.05	2.00	1.95
274335CJ	NTE5127A	DO-35	12V	5W	1/pk.	1.45	1.39	1.26
259611CJ	NTE5130A	DO-35	15V	5W	1/pk.	1.46	1.39	1.32
274343CJ	NTE5131A	DO-35	16V	5W	1/pk.	2.05	2.00	1.95
274351CJ	NTE5133A	DO-35	18V	5W	1/pk.	2.05	2.00	1.95
274360CJ	NTE5137A	DO-35	24V	5W	1/pk.	1.45	1.38	1.20
274378CJ	NTE5139A	DO-35	27V	5W	1/pk.	2.05	1.99	1.95
259629CJ	NTE5141A	DO-35	30V	5W	1/pk.	2.05	2.01	1.97
274386CJ	NTE5142A	DO-35	33V	5W	1/pk.	1.25	1.15	1.01
274394CJ	NTE5147A	DO-35	51V	5W	1/pk.	2.05	1.99	1.95
259637CJ	NTE5164A	DO-35	180V	5W	1/pk.	2.05	2.01	1.97

Transient Voltage Suppressors

Package (see pg 54)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
261278CJ	NTE4900	DO-35	5.0V	$2.19	$2.15	$2.09
273965CJ	NTE4902	DO-15	6.45V_{BR} 5.80V	3.39	3.32	3.23
273973CJ	NTE4903	DO-15	6.12V_{BR} 5.50V	3.39	3.31	3.22
273990CJ	NTE4928	DO-15	19V_{BR} 17.1V	2.39	2.33	2.27
274001CJ	NTE4951	DO-15	48.5V_{BR} 43.6V	3.39	3.31	3.22
274010CJ	NTE4993	DO-15	304V_{BR} 273V	1.85	1.50	1.46

Rectifiers

Package (see pg 54)

Part No.	Cross Ref.	Pkg.	Description	PRV	AFC	1	10	25
259813CJ	NTE116	DO-41	Rectifier	600V	1A	$.49	$.45	$.42
259821CJ	NTE125	DO-41	Rectifier	1000V	2.5A	.50	.48	.45
259830CJ	NTE156	DO-41	Rectifier	1000V	3A	.67	.63	.60
272436CJ	NTE156A	DO-41	Rectifier	1000V	3A	.72	.67	.61
259645CJ	NTE506	DO-41	Rectifier	1400V	2A	1.10	1.06	1.02
274407CJ	NTE517	DO-41	Rectifier	15000V	200A	5.05	4.95	4.85
259848CJ	NTE541	DO-35	Rectifier	8400V	50A	8.39	8.29	8.25
259856CJ	NTE552	DO-41	Rectifier	600V	1A	.93	.90	.87
259864CJ	NTE558	DO-41	Rectifier	1500V	1A	1.69	1.63	1.57
259872CJ	NTE569	DO-41	Rectifier	600V	3A	1.12	1.03	.95
274781CJ	NTE571	T6-L	Rectifier	1000V	2.9A	.64	.61	.58
274790CJ	NTE572	T6-L	Rectifier	1000V	6A	1.05	1.03	1.00
259881CJ	NTE574	DO-41	Rectifier	400V	1A	.58	.53	.48
274811CJ	NTE575	DO-41	Rectifier	1000V	1A	.67	.65	.56
259899CJ	NTE576	DO-41	Rectifier	400V	5A	1.85	1.79	1.73
274829CJ	NTE579	DO-27	Rectifier	90V	3A	2.59	2.39	2.19
259901CJ	NTE577	DO-41	Rectifier	1000V	5A	3.59	3.45	3.33
259910CJ	NTE580	SOD57	Rectifier	600V	3A	2.75	2.59	2.47
274933CJ	NTE597	TO-220	Rectifier	200V	8A	1.69	1.61	1.53
260021CJ	NTE598	TO-220/2	Rectifier	600V	8A	2.15	2.11	2.08
274992CJ	NTE622	D0-213AA	Rectifier	400V	0.5A	2.29	2.26	2.22
274802CJ	NTE5740	*	Rectifier	800V	30A	36.79	29.43	28.15
259928CJ	NTE5800	DO-41	Rectifier	50V	3A	.33	.31	.30
259936CJ	NTE5801	DO-41	Rectifier	100V	3A	.48	.45	.44
274837CJ	NTE5802	DO-27	Rectifier	200V	3A	.58	.53	.50
259944CJ	NTE5804	DO-41	Rectifier	400V	3A	.60	.56	.54
259952CJ	NTE5806	DO-41	Rectifier	600V	3A	.94	.92	.88
274845CJ	NTE5808	DO-27	Rectifier	800V	3A	1.19	1.10	.99
259961CJ	NTE5809	DO-41	Rectifier	1000V	3A	1.39	1.31	1.25
259979CJ	NTE5812	T6L	Rectifier	100V	6A	.91	.87	.84
259987CJ	NTE5814	T6L	Rectifier	400V	6A	2.59	1.45	1.40
259995CJ	NTE5815	T6L	Rectifier	600V	6A	2.49	2.27	2.15
260005CJ	NTE5817	T6L	Rectifier	1000V	6A	2.29	2.14	2.04

* Data sheets for these products are available at www.Jameco.com. Just search for the part number.

Rectifiers (Continued)

Package (see pgs 54)

Part No.	Cross Ref.	Pkg.	Description	PRV	AFC	1	10	25
260013CJ	NTE5870	DO-4	Rectifier	50V	12A	$2.59	$2.49	$2.38
274888CJ	NTE5874	DO-4	Rectifier	200V	12A	3.35	2.82	2.50
274896CJ	NTE5882	DO-4	Rectifier	600V	12A	4.49	4.27	4.05
274909CJ	NTE5890	DO-4	Rectifier	1000V	12A	8.69	7.38	6.55
274941CJ	NTE5980	DO-4	Rectifier	50V	40A	3.89	3.80	3.70
274950CJ	NTE5994	DO-4	Rectifier	600V	40A	8.65	8.45	8.25
274968CJ	NTE5995	DO-4	Rectifier	600V	40A	8.65	8.45	8.25
260030CJ	NTE6013	TO-220	Rectifier	600V	12.7A isolated	3.75	3.69	3.61
274984CJ	NTE6154	DO-8	Rectifier	400V	150A	26.59	25.93	25.28
260048CJ	NTE6240	TO-220	Rectifier	200V	16A	3.95	3.77	3.59
275004CJ	NTE6244	TO-220	Rectifier, dual	200V	16A	4.89	4.78	4.67
259653CJ	NTE166	BR8D	Bridge rectifier	100V	2A	1.10	1.06	1.02
259661CJ	NTE167	BR8D	Bridge rectifier	200V	2A	1.75	1.69	1.62
259670CJ	NTE168	BR8D	Bridge rectifier	400V	2A	1.95	1.86	1.79
272508CJ	NTE169	BR8D	Bridge rectifier	600V	2A	2.09	2.02	1.78
259688CJ	NTE170	BR8D	Bridge rectifier	1000V	2A	2.85	2.79	2.75
259696CJ	NTE5304	WOM	Bridge rectifier	400V	1.5A	1.32	1.28	1.23
259709CJ	NTE5305	WOM	Bridge rectifier	600V	1.5A	1.47	1.42	1.39
274458CJ	NTE5309	BR8D	Bridge rectifier	200V	4A	2.79	2.73	2.66
274466CJ	NTE5310	BR8D	Bridge rectifier	600V	4A	2.79	2.42	2.22
259717CJ	NTE5312	GBPC	Bridge rectifier	100V	8A	3.89	3.70	3.53
259725CJ	NTE5313	GBPC	Bridge rectifier	200V	8A	3.79	3.65	3.48
259733CJ	NTE5314	GBPC	Bridge rectifier	400V	8A	3.95	3.74	3.59
274474CJ	NTE5315	GBPC	Bridge rectifier	600V	8A	4.45	4.08	3.63
274482CJ	NTE5318	*	Bridge rectifier	200V	4A	2.19	2.14	2.08
259741CJ	NTE5322	TB35	Bridge rectifier	200V	25A	5.65	5.38	5.13
274491CJ	NTE5324	TB35	Bridge rectifier	400V	25A	5.99	5.84	5.69
259750CJ	NTE5326	TB35	Bridge rectifier	600V	25A	7.59	7.20	6.90
274503CJ	NTE5328	TB35	Bridge rectifier	1000V	25A	7.89	7.69	7.50
259768CJ	NTE5329	BR8D	Bridge rectifier	200V	6A	3.65	3.46	3.30
274511CJ	NTE5330	BR8D	Bridge rectifier	600V	6A	5.15	5.02	4.90
259776CJ	NTE5332	DIP-4	Bridge rectifier	600V	1A	1.49	1.45	1.39
259784CJ	NTE5340	*	Bridge rectifier	200V	40A	8.99	8.57	8.17
259792CJ	NTE5342	*	Bridge rectifier	600V	40A	11.39	10.79	10.24
259805CJ	NTE5344	*	Bridge rectifier	1000V	40A	12.79	12.29	11.80

* Data sheets for these products are available at www.Jameco.com. Just search for the part number

Silicon Controlled Rectifiers (SCR)

Package (see pg 54)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
274538CJ	NTE5400	TO-92	30 VRM, 0.8A	$.79	$.62	$.60
260056CJ	NTE5401	TO-92	60 VRM, 0.8A	.97	.91	.87
260064CJ	NTE5402	TO-92	100 VRM, 0.8A	.97	.89	.78
260072CJ	NTE5404	TO-92	200 VRM, 0.8A	1.33	1.29	1.25
274546CJ	NTE5405	TO-92	400 VRM, 0.8A	2.19	2.14	2.08
274554CJ	NTE5414	TO-126	200 VRM, 4.A	1.65	1.61	1.57
274562CJ	NTE5424	TO-220	400 VRM, 4.7A, high speed	6.45	6.31	6.17
274571CJ	NTE5426	TO-220	400 VRM, 10A	2.59	2.48	2.26
274589CJ	NTE5437	TO-220	400 VRM, 8A	2.15	2.10	2.04
274597CJ	NTE5455	TO-202	200 VRM, 4.A	1.19	1.12	1.02
260081CJ	NTE5457	TO-202	400 VRM, 4A	1.33	1.29	1.25
260099CJ	NTE5458	TO-202	600 PRV, 4A	2.05	1.99	1.94
274600CJ	NTE5460	TO-220	800 VRM, 25A	10.29	10.03	9.76
274618CJ	NTE5465	TO-202	400 VRM, 10A	2.75	2.59	2.36
274626CJ	NTE5466	TO-202	600 VRM, 10A	4.19	4.00	3.80
274642CJ	NTE5547	TO-48	600 VRM, 35A	15.65	15.24	14.83

Diacs/Triacs/Sidacs

Package (see pg 54)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
274693CJ	NTE5608	TO-220	Triac, 400 VRM, 8A, gate	$2.55	$2.33	$1.93
274706CJ	NTE5609	TO-220	Triac, 600 VRM, 8A, gate	3.45	3.37	3.28
274714CJ	NTE5620	TO-220	Triac, 800 VRM, 8A, isolated	5.35	4.62	4.50
261147CJ	NTE5629	TO-202	Triac, 400 VRM, 4A	1.99	1.89	1.81
274722CJ	NTE5635	TO-220	Triac, 400 VRM, 10A	3.49	3.22	2.86
274731CJ	NTE5638	TO-220	Triac, 400 VRM, 8A isolated tab	3.05	2.97	2.89
274749CJ	NTE5645	TO-220	Triac, 600 VRM, 10A, isolated tab	3.69	3.60	3.51
261155CJ	NTE5656	TO-9	Triac, 400 VRM, 0.8A	1.08	1.05	.99
274757CJ	NTE5671	TO-220	Triac, 800 VRM, 20A, isolated	5.55	5.45	5.34
274765CJ	NTE5679	*	Triac, 600 VRM, 40A	17.19	16.34	15.52

* Data sheets for these products are available at www.Jameco.com. Just search for the part number


261307CJ
Size: 16mm


261163CJ
Thermal Fuse


260363CJ
SIP-9


260371CJ
T -1¾


260380CJ
DIP-6


259178CJ
DIP-16


259186CJ
DIP-8


259160CJ
TO-220

Diacs/Triacs/Sidacs (Continued)

Package (see pg 54)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
260110CJ	NTE6404	TO-89	SUS, SI, 1.0A	$8.85	$8.79	$8.75
259400CJ	NTE6408	DO-35	Diac	.94	.90	.87
260101CJ	NTE6419	—	Sidac, 110-125V	2.05	1.99	1.91
274651CJ	NTE56008	TO-220	Triac, 600 VRM, 15A	5.09	4.86	4.42
274669CJ	NTE56020	TO-220	Triac, 400 VRM, 25A	7.45	7.28	7.10
274677CJ	NTE56024	TO-48	Triac, 400 VRM, 40A	13.75	13.38	13.00
274685CJ	NTE56026	TO-48	Triac, 600 VRM, 40A	15.55	15.13	14.90

Varistors (MOVs)

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
272680CJ	NTE1V010	8.5mm	$10V_{RMS}$, 12VDC, 0.8 joules	$1.07	$.87	$.85
261286CJ	NTE1V020	8.5mm	$20V_{RMS}$, 26VDC, 1.5 joules	1.03	.99	.95
272698CJ	NTE1V030	8.5mm	$30V_{RMS}$, 38VDC, 2.3 joules	1.19	1.15	1.11
261294CJ	NTE1V130	8.5mm	$135V_{RMS}$, 180VDC, 10 joules	1.08	1.03	.99
273287CJ	NTE2V010	16mm	$10V_{RMS}$, 12VDC, 3.5 joules	1.85	1.81	1.76
273295CJ	NTE2V025	16mm	$25V_{RMS}$, 31VDC, 7.0 joules	1.85	1.81	1.76
273308CJ	NTE2V030	16mm	$30V_{RMS}$, 38VDC, 8.5 joules	1.85	1.81	1.76
273316CJ	NTE2V035	16mm	$35V_{RMS}$, 45VDC, 10 joules	1.69	1.40	1.37
273324CJ	NTE2V095	16mm	$95V_{RMS}$, 125VDC, 29 joules	1.85	1.81	1.76
261307CJ	NTE2V130	16mm	$135V_{RMS}$, 180VDC, 39 joules	1.85	1.79	1.75
273332CJ	NTE2V150	16mm	$150V_{RMS}$, 210VDC, 40 joules	2.19	2.14	2.08
261315CJ	NTE2V250	16mm	$240V_{RMS}$, 320VDC, 70 joules	2.65	2.54	2.41
273341CJ	NTE2V275	16mm	$275V_{RMS}$, 330VDC, 72 joules	2.69	2.62	2.55
274415CJ	NTE524V13	23mm	$130V_{RMS}$, 180VDC, 72 joules	2.65	2.40	1.99
274423CJ	NTE524V15	23mm	$150V_{RMS}$, 210VDC, 80 joules	2.75	2.68	2.61
261323CJ	NTE524V25	23mm	$240V_{RMS}$, 320VDC, 129 joules	2.39	2.35	2.29

Thermal Fuses

Package (see above)

Part No.	Cross Ref.	Description	Dimensions	1	10	25
275346CJ	NTE8070	TCO 72˚C, 162˚F	3.2"L x .157"Dia.	$1.15	$1.12	$1.09
261163CJ	NTE8076	TCO 77˚C, 171˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
275354CJ	NTE8081	TCO 84˚C, 184˚F	3.2"L x .157"Dia.	1.15	1.11	1.07
261171CJ	NTE8085	TCO 87˚C, 189˚F	3.2"L x .157"Dia.	1.27	1.23	1.18
261180CJ	NTE8090	TCO 93˚C, 200˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
261198CJ	NTE8096	TCO 98˚C, 208˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
261201CJ	NTE8098	TCO 100˚C, 212˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
261219CJ	NTE8103	TCO 104˚C, 220˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
275362CJ	NTE8108	TCO 109˚C, 229˚F	3.2"L x .157"Dia.	1.15	1.05	.95
275371CJ	NTE8115	TCO 117˚C, 243˚F	3.2"L x .157"Dia.	1.19	1.16	1.13
261227CJ	NTE8118	TCO 121˚C, 250˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
275389CJ	NTE8125	TCO 128˚C, 263˚F	3.2"L x .157"Dia.	1.15	1.11	1.07
261235CJ	NTE8139	TCO 141˚C, 286˚F	3.2"L x .157"Dia.	1.27	1.23	1.18
275397CJ	NTE8149	TCO 152˚C, 306˚F	3.2"L x .157"Dia.	1.19	1.11	1.03
275400CJ	NTE8167	TCO 169˚C, 336˚F	3.2"L x .157"Dia.	1.15	1.05	.95
261243CJ	NTE8181	TCO 184˚C, 364˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
275418CJ	NTE8182	TCO 192˚C, 378˚F	3.2"L x .157"Dia.	2.69	2.59	2.30
261251CJ	NTE8213	TCO 216˚C, 421˚F	3.2"L x .157"Dia.	1.13	1.09	1.05
275434CJ	NTE8226	TCO 228˚C, 443˚F	3.2"L x .157"Dia.	1.15	1.11	1.07
261260CJ	NTE8242	TCO 240˚C, 464˚F	3.2"L x .157"Dia.	1.13	1.09	1.05

LEDs

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
260363CJ	NTE1866	SIP-9	5-point LED VU scale bar level meter driver	$2.05	$1.96	$1.93
273359CJ	NTE3007	T1	Red, 4/pk.	1.65	1.61	1.57
273367CJ	NTE3008	T1	Red, 2/pk.	1.03	.84	.82
273375CJ	NTE3010	T1	Green, 2/pk.	1.15	1.11	1.06
273383CJ	NTE3020	T1¾	Red, 2/pk.	1.01	.84	.82
273391CJ	NTE3021	T1¾	Yellow, 2/pk.	1.22	.99	.97
273404CJ	NTE3022	T1¾	Red, 2/pk.	1.10	.90	.88
260371CJ	NTE3024*	T1¾	Green 5mm, 2.1VF@20mA, 8.7mcd@10mA, 565nm	1.31	1.24	1.19

* 2 ea. per pack

LEDs (Continued)

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
273412CJ	NTE3028	—	Infrared, PN, GAAS	$4.99	$4.87	$4.75
273586CJ	NTE3188	T1¾	LED-white clear	2.25	2.07	1.88

Optoisolators

✪ Blue Part No. = Limited Quantity Available

Package (see pg 54 & above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
273421CJ	NTE3032	TO-18	NPN phototransistor detector	$11.15	$10.84	$10.52
273439CJ	NTE3034A	—	Phototransistor detector	1.59	1.55	1.51
273447CJ	NTE3037	TO-18	NPN phototransistor detector	4.35	4.26	4.16
260380CJ	NTE3040	DIP-6	NPN transistor output, 1.5V @ 10mA	1.75	1.68	1.61
260398CJ	NTE3041	DIP-6	NPN transistor output, 1.15V @ 10mA	1.75	1.69	1.63
273455CJ	NTE3042	DIP-6	NPN transistor	1.65	1.60	1.55
260401CJ	NTE3044	DIP-6	NPN darl. trans. output, 1.15V @ 10mA	2.35	2.25	2.19
273463CJ	NTE3045	DIP-6	Silicon darlington	2.45	2.39	2.32
260419CJ	NTE3047	DIP-6	Triac driver output, 1.15V @ 10mA	2.45	2.04	1.95
273471CJ	NTE3048	DIP-6	Triac driver output	3.19	2.89	2.39
273498CJ	NTE3083	DIP-6	Optoisolator transistor	2.45	2.39	2.32
273501CJ	NTE3084	DIP-6	NPN darlington transistor	2.39	2.33	2.26
273519CJ	NTE3086✪	DIP-8	Dual transistor	3.75	3.66	3.57
273527CJ	NTE3089	DIP-6	AC input, transistor	4.29	3.72	3.63
273535CJ	NTE3090	DIP-6	Schmitt trigger	3.65	3.57	3.48
273543CJ	NTE3098	DIP-4	NPN transistor output	2.09	2.02	1.78
273607CJ	NTE3221	DIP-16	4-channel, NPN transistor output	3.35	3.17	2.98
273560CJ	NTE3100	—	Opto interrupter	5.39	5.14	4.67

IC Sockets

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
272727CJ	NTE209	TO-3	Socket, trans, power, 2/pk.	$3.35	$2.99	$2.69
273869CJ	NTE409	DIP-14	14-pin DIP socket, 2/pk.	1.25	1.17	1.06
259178CJ	NTE416	DIP-16	16-pin DIP socket	2.09	1.85	1.60
259186CJ	NTE423	DIP-8	8-pin DIP socket	1.10	1.06	1.02
273885CJ	NTE435P6	DIP-6	6-pin DIP socket, 2/pk.	1.39	1.36	1.32

Insulator Kits

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	25
273877CJ	NTE413	TO-3	Insulator kit, 2/pk.	$1.39	$1.29	$1.20
259160CJ	NTE422	TO-220	Insulator kit	1.01	.97	.93
273893CJ	NTE439	D05/TO48	Insulator kit, stud	.55	.54	.47

NTE Hardware


259194CJ


259282CJ


259207CJ


259215CJ


259223CJ


259231CJ


259240CJ


259258CJ


259266CJ


259274CJ

Part No.	Cross Ref.	Description	1	10	25
259151CJ	NTE303	1 gram tube heat sink compound (5/pk.)	$1.65	$1.55	$1.48
259194CJ	TP0001	TO-3 Thermo pad (5/pk.)	1.39	1.29	1.25
259282CJ	TP0002	TO-66 Thermo pad (5/pk.)	1.15	1.12	1.09
259207CJ	TP0003	DO-5 Thermo pad (5/pk.)	.82	.78	.75
259215CJ	TP0004	TO-126 Thermo pad (5/pk.)	.69	.65	.63
259223CJ	TP0005	TO-218 Thermo pad (5/pk.)	1.36	1.33	1.27
259231CJ	TP0006	TO-220 Thermo pad (5/pk.)	1.01	.95	.91
259240CJ	TP0007	DO-5 Thermo pad (5/pk.)	1.03	.98	.95
259258CJ	TP0008	TO-3 Thermo pad (5/pk.)	1.15	1.12	1.09
259266CJ	TP0009	TO-36 Thermo pad (5/pk.)	1.38	1.35	1.29
259274CJ	TP0010	TO-3PML Thermo pad (5/pk.)	2.39	2.20	1.95

Optoisolators


DIP-4


DIP-6


DIP-8


DIP-16


TO-18

Part No.	Cross Ref.	Pkg.	Description	1	10	100
40985CJ	4N25	DIP-6	Diode, NPN phototransistor	$.22	$.18	$.17
41005CJ	4N26	DIP-6	Diode, NPN phototransistor	.25	.22	.18
144240CJ	4N27	DIP-6	Diode, NPN phototransistor	.24	.191	.185
41013CJ	4N28	DIP-6	Diode, NPN phototransistor	.46	.372	.282
277421CJ	4N29	DIP-6	General purpose photodarlington	.26	.21	.193
277456CJ	4N30	DIP-6	General purpose photodarlington	.26	.216	.185
320565CJ	4N31	DIP-6	General purpose photodarlington	.30	.273	.235
41021CJ	4N32	DIP-6	Diode, NPN photodarlington	.26	.24	.21
41030CJ	4N33	DIP-6	Diode, NPN photodarlington	.25	.24	.22
41056CJ	4N35	DIP-6	Diode, NPN phototransistor	.24	.216	.213
277464CJ	4N36	DIP-6	General purpose phototransistor	.20	.18	.17
320371CJ	4N37	DIP-6	Genral purpose phototransistor	.27	.264	.227
277481CJ	4N38	DIP-6	High-voltage phototransistor	.53	.46	.39
277499CJ	4N39	DIP-6	Photo SCR optocoupler ~~$0.91~~	.86	.78	.70
277501CJ	4N40	DIP-6	Photo SCR optocoupler	.93	.84	.76
277510CJ	6N135	DIP-8	High-speed transistor optocoupler	.54	.44	.36
42471CJ	6N136	DIP-8	High speed transistor optocoupler	.65	.55	.49
113911CJ	6N137	DIP-8	High-speed logic optocoupler	.71	.60	.496
42489CJ	6N138	DIP-8	Low input curr., hi-gain split darlington	.67	.57	.462
113929CJ	6N139	DIP-8	High-speed, high-gain darlington	.65	.55	.445
320389CJ	CNY17-1	DIP-6	High BVceo phototransistor	.26	.225	.153
320397CJ	CNY17-2	DIP-6	High BVceo phototransistor	.27	.191	.151
320400CJ	CNY17-3	DIP-6	High BVceo phototransistor	.26	.191	.153
320418CJ	CNY17-4	DIP-6	High BVceo phototransistor	.26	.191	.153
277561CJ	H11A1	DIP-6	General purpose phototransistor	.27	.22	.20
18825CJ	H11AA1	DIP-6	Dual infrared diode, NPN phototransistor	.51	.383	.291
277587CJ	H11A2	DIP-6	General purpose phototransistor	.30	.21	.17
320434CJ	H11AA2	DIP-6	AC input phototransistor optocoupler	.35	.286	.26
277595CJ	H11A3	DIP-6	General purpose phototransistor	.34	.26	.21
320442CJ	H11AA3	DIP-6	AC input phototransistor optocoupler	.34	.274	.249
281201CJ	H11A4	DIP-6	General purpose phototransistor	.34	.30	.23
320451CJ	H11AA4	DIP-6	AC input phototransistor optocoupler	.52	.50	.34
320426CJ	H11A5	DIP-6	Genral purpose phototransistor	.30	.183	.168
320573CJ	H11B1	DIP-6	Photodarlington optocoupler	.45	.344	.261
320581CJ	H11B2	DIP-6	Photodarlington optocoupler	.45	.344	.261
320602CJ	H11B3	DIP-6	Photodarlington optocoupler	.48	.432	.403
114016CJ	H11C1	DIP-6	Photo SCR optocoupler	.79	.67	.50
18833CJ	H11C3	DIP-6	Photo SCR optocoupler	.89	.76	.57
114008CJ	H11C4	DIP-6	Photo SCR optocoupler	.83	.71	.53
277608CJ	H11C6	DIP-6	Photo SCR optocoupler	.89	.75	.61
320493CJ	H11D1	DIP-6	High voltage phototransistor ~~$0.62~~	.57	.382	.361
320514CJ	H11D2	DIP-6	High voltage phototransistor	.76	.58	.438
320522CJ	H11D3	DIP-6	High voltage phototransistor	.76	.58	.44
113996CJ	H11F1	DIP-6	Isolated FET	1.79	1.52	1.14
320186CJ	H11F2	DIP-6	Photo FET optocouplers	1.75	1.54	1.18
320194CJ	H11F3	DIP-6	Photo FET optocouplers	1.59	1.30	1.25
277712CJ	H11G1	DIP-6	High-voltage photodarlington	.51	.47	.39
277721CJ	H11G2	DIP-6	High-voltage photodarlington	.67	.55	.42
277747CJ	H11G3	DIP-6	High-voltage photodarlington	.62	.52	.40
113988CJ	H11L1	DIP-6	Schmitt trigger output photocoupler	1.09	.75	.61
320207CJ	H11L2	DIP-6	Photo FET optocouplers	.71	.59	.48
320215CJ	H11L3	DIP-6	Photo FET optocouplers	.74	.62	.50
320637CJ	H11N1	DIP-6	High speed logic optocoupler	2.05	1.65	1.49
320645CJ	H11N2	DIP-6	High speed logic optocoupler	1.89	1.55	1.39
138069CJ	ISP817-3	DIP-4	Low power transistor output	.99	.84	.63
114083CJ	ISQ203	DIP-16	Quad channel NPN phototransistor	2.95	2.65	2.39
320477CJ	MCT2	DIP-6	Phototransistor optocoupler	.42	.316	.24
320485CJ	MCT4	TO-18	Hermetic phototransistor optocoupler	7.75	6.25	5.69
24918CJ	MCT6	DIP-8	Dual channel NPN phototransistor	.56	.52	.47
26278CJ	MOC3010	DIP-6	Bilateral triac driver	.56	.52	.345
95020CJ	MOC3011	DIP-6	Bilateral triac driver	.68	.51	.388

Optoisolators (Continued)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
277763CJ	MOC3012	DIP-6	Random phase triac driver	$.76	$.58	$.44
277780CH	MOC3020	DIP-6	Random phase triac driver	.54	.41	.31
95038CJ	MOC3021	DIP-6	Bilateral triac driver	.46	.39	.29
277801CJ	MOC3022	DIP-6	Random phase triac driver	.49	.45	.38
277819CJ	MOC3023	DIP-6	Random phase triac driver	.51	.47	.39
26294CJ	MOC3031	DIP-6	Zero crossing triac driver	.72	.64	.58
113953CJ	MOC3032	DIP-6	Zero crossing triac driver	.61	.55	.52
277827CJ	MOC3033	DIP-6	Zero crossing triac driver	.74	.66	.60
277835CJ	MOC3041	DIP-6	Zero crossing triac driver	.69	.61	.52
113961CJ	MOC3042	DIP-6	Zero crossing triac driver	.65	.58	.50
277843CJ	MOC3043	DIP-6	Zero crossing triac driver	.59	.53	.46
277860CJ	MOC3051	DIP-6	Random phase triac driver	.73	.66	.60
277894CJ	MOC3052	DIP-6	Random phase triac driver	.87	.82	.79
277915CJ	MOC3061	DIP-6	Zero crossing phototriac driver	.64	.59	.50
277931CJ	MOC3062	DIP-6	Zero crossing phototriac driver	.80	.68	.55
133874CJ	MOC3063	DIP-6	Zero crossing triac driver	1.25	1.06	.80
320629CJ	MOC3082	DIP-6	Zero crossing optoisolator	1.20	1.01	.88
320611CJ	MOC3083	DIP-6	Zero crossing optoisolator	.98	.79	.73
320653CJ	PS2501-1	DIP-4	Single transistor photocoupler	.20	.19	.185
320661CJ	PS2501-2	DIP-8	Single transistor photocoupler	.51	.459	.418
160338CJ	PS2501-4	DIP-16	Photo darlington & transistor/detector	1.09	1.02	.88
320688CJ	PS2502-1	DIP-4	Darlington photocoupler	.41	.39	.353
320696CJ	PS2502-2	DIP-8	Darlington photocoupler	1.18	.96	.87
160362CJ	PS2502-4	DIP-16	Photo darlington & transistor/detector	1.75	1.61	1.39
320709CJ	PS2505-1	DIP-4	High isolation voltage photocoupler	.33	.32	.302
320717CJ	PS2505-2	DIP-8	High isolation voltage photocoupler	.79	.76	.69
320725CJ	PS2505-4	DIP-16	High isolation voltage photocoupler	1.29	1.18	1.06
320750CJ	PS2506-1	DIP-4	High isolation voltage photocoupler	.54	.51	.462
320768CJ	PS2506-2	DIP-8	High isolation voltage photocoupler	1.09	1.01	.92
320776CJ	PS2506-4	DIP-16	High isolation voltage photocoupler	2.15	1.83	1.67
320784CJ	PS2532-1	DIP-4	High collector to high emitter volt. photocoupler	.54	.486	.437
320792CJ	PS2532-2	DIP-8	High collector to high emitter volt. photocoupler	1.19	1.14	1.04
320805CJ	PS2532-4	DIP-16	High collector to high emitter volt. photocoupler	2.25	1.95	1.75
320813CJ	PS2561-1	DIP-4	High isolation voltage photocoupler	.23	.22	.21
320821CJ	PS2561-2	DIP-8	High isolation voltage photocoupler	.75	.71	.68
320830CJ	PS2561-4	DIP-16	High isolation voltage photocoupler	2.29	2.05	1.85

Slotted Optical Switches


4-pin w/ tab


4-pin w/o tab

Part No.	Cross Ref.	Pkg.	Description	1	10	100
114091CJ	H21A1	4-pin w/ tab	Single channel slotted interrupter	$.69	$.64	$.554
278011CJ	H21A2	4-pin w/ tab	Phototransistor optical interrupter	.99	.71	.58
320901CJ	H21A3	4-pin w/ tab	Phototransistor optical switch	.70	.61	.47
320928CJ	H21A6	4-pin w/ tab	Phototransistor optical switch	.79	.64	.58
278070CJ	H21B1	4-pin w/ tab	Photodarlington optical interrupter	.87	.78	.71
278088CJ	H21B2	4-pin w/ tab	Photodarlington optical interrupter	1.09	.79	.74
278096CJ	H21B3	4-pin w/ tab	Photodarlington optical interrupter	1.35	1.19	1.09
321007CJ	H21B6	4-pin w/ tab	Photodarlington optical switch	.92	.75	.68
320848CJ	H21LOB	5-pin w/ tab	OPTOLOGIC® interrupter slotted switch	1.09	.91	.81
320856CJ	H21LTB	5-pin w/ tab	OPTOLOGIC® interrupter slotted switch	1.09	.91	.76
320864CJ	H21LTI	5-pin w/ tab	OPTOLOGIC® interrupter slotted switch	1.09	.91	.81
114104CJ	H22A1	4-pin w/o tab	Slotted optical switch	.61	.51	.462
278029CJ	H22A2	4-pin w/o tab	Slotted optical switch	1.15	1.05	.93
278045CJ	H22A3	4-pin w/o tab	Slotted optical switch	.74	.623	.504
278109CJ	H22B1	4-pin w/o tab	Photodarlington optical interrupter	.75	.68	.56
278117CJ	H22B2	4-pin w/o tab	Photodarlington optical interrupter	.87	.71	.64
320872CJ	H22LOB	5-pin w/o tab	OPTOLOGIC® interrupter slotted switch	1.09	.85	.80
320881CJ	H22LOI	5-pin w/o tab	OPTOLOGIC® slotted switch	1.09	.92	.80
196058CJ	ITR-8105	4-pin w/o tab	Slotted optical switch	.48	.42	.38
321120CJ	MOC70P1	4-pin w/o tab	Phototransistor optical switch	.90	.73	.66
321138CJ	QVE11233	4-pin w/o tab	Slotted optical switch	.64	.52	.47

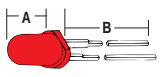
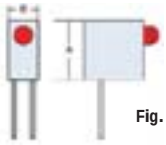


Fig. 1


Fig. 2

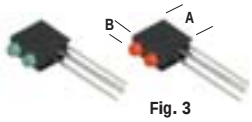


Fig. 3

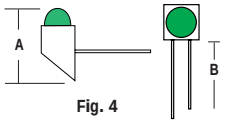


Fig. 4



Fig. 5


Fig. 6

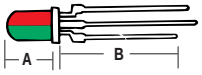


Fig. 7

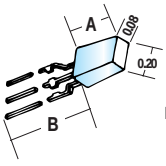


Fig. 8


Fig. 9

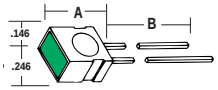


Fig. 10

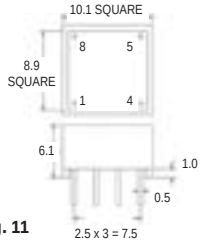


Fig. 11

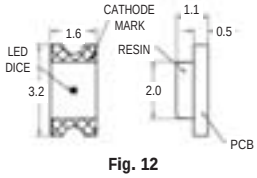


Fig. 12


Fig. 13


Fig. 14

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Standard-Output LEDs

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Part No.	Mfr. Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333219CJ	LY12340	1	Yellow	Yellow diffused	T1	.119/3	0.13	0.98	0.10	1.7	6.5	585	112	✳	$.08	$.063	$.06
334211CJ	LA16BY	2	Yellow	Yellow diffused PCB mount indicators	T1	.119/3	0.29	0.18	0.10	1.7	12	585	50	.30	.284	.146	.102
34657CJ	LY2040*	1	Yellow	Yellow diffused (XC209Y)	T1	.119/3	0.16	0.68	0.08	2.3	15	585	36	✳	.13	.11	.075
333884CJ	UT6331-41	1	Yellow	Yellow diffused	T1	.119/3	0.17	0.98	0.10	2.1	24	589	55	✳	.088	.069	.049
333294CJ	LVY2643-1	1	Yellow	Water clear	T1	.119/3	0.13	0.98	0.10	1.7	350	595	40	✳	.16	.152	.144
206480CJ	LVY2041	1	Yellow	Yellow transparent	T1	.119/3	0.17	0.69	0.08	2.3	450	595	30	✳	.14	.12	.10
235424CJ	LA45B/2I	3	Red	Red diffused (dual)	T1	.119/3	0.40	0.18	0.10	1.7	12	630	50	.99	.89	.71	.53
136282CJ	LA44B/2I	3	Orange	Red diffused (dual)	T1	.119/3	0.38	0.17	0.10	1.7	12	635	50	.49	.45	.39	.29
333868CJ	UT6341R-41	1	Hi-eff Red	Orange diffused	T1	.119/3	0.17	1.00	0.10	2.1	35	630	55	✳	.098	.06	.045
333366CJ	LHRF2643-1	1	Red	Water clear	T1	.119/3	0.13	0.98	0.10	1.5	300	630	40	✳	.174	.152	.144
333198CJ	LE12340	1	Hi-eff Red	Orange diffused	T1	.119/3	0.13	0.98	0.10	1.7	6.5	635	112	✳	.079	.064	.057
333876CJ	UT6314R-41	1	Hi-eff Red	Red diffused	T1	.119/3	0.17	1.00	0.10	2.1	12	635	40	.27	.213	.102	.066
333171CJ	HLMP-K155-JV	1	Red	Red clear	T1	.119/3	0.19	1.04	0.10	1.6	3.0	660	45	✳	.079	.078	.057
333850CJ	UT6371-41-M1	1	Red	Red diffused	T1	.119/3	0.17	0.98	0.10	1.7	63	660	47	✳	.098	.064	.061
333251CJ	LSR2643-1	1	Red	Water clear	T1	.119/3	0.13	0.98	0.10	1.5	120	660	40	.20	.196	.128	.109
333260CJ	LHR2643-1	1	Red	Water clear	T1	.119/3	0.13	0.98	0.10	1.5	300	660	40	.28	.19	.152	.144
206498CJ	LHR2041	1	Red	Red transparent	T1	.119/3	0.17	0.69	0.08	2.0	350	660	30	✳	.15	.12	.09
334203CJ	LA16B/H	2	Red	Red diffused PCB mount indicators	T1	.119/3	0.29	0.18	0.10	1.7	4.2	697	50	.30	.284	.146	.102
94529CJ	LH2040*	1	Red	Red diffused (XC209RB)	T1	.119/3	0.18	1.04	0.07	2.3	4.5	697	36	✳	.19	.15	.12
114673CJ	LH2043*	1	Red	Water clear (BR209)	T1	.119/3	0.14	0.98	0.07	2.3	12	697	30	✳	.19	.15	.12
94553CJ	LHG2062	1	Red/Green	White diffused bi-color/bi-state1	T1	.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.29	.25	.21	.16
333391CJ	UT6341-41	1	Orange	Orange diffused	T1	.119/3	0.17	0.94	0.10	2.1	35	630	55	.22	.182	.084	.068
333833CJ	LI12340	1	Orange	Red diffused	T1	.119/3	0.16	0.98	0.10	1.7	6.5	635	112	✳	.098	.076	.054
34606CJ	LSG2040*	1	Green	Green diffused (XC209G)	T1	.119/3	0.13	1.05	0.08	2.2	15	560	50	✳	.15	.11	.08
333201CJ	LG12340	1	Green	Green diffused	T1	.119/3	0.13	0.98	0.10	1.7	9.6	565	112	✳	.08	.063	.06
211087CJ	LG2040	1	Green	Green diffused	T1	.119/3	0.13	1.10	0.10	2.1	12.6	565	36	✳	.11	.094	.071
334220CJ	LA16B/G	2	Green	Green diffused PCB mount indicators	T1	.119/3	0.29	0.18	0.10	1.7	15	565	50	.30	.284	.146	.102
235416CJ	LA45B/2G	3	Green	Green diffused (dual)	T1	.119/3	0.40	0.18	0.10	1.7	15	565	50	.99	.89	.71	.53
136274CJ	LA44B/2G	3	Green	Green diffused (dual)	T1	.119/3	0.38	0.17	0.10	2.3	15	565	50	.49	.45	.39	.29
333315CJ	MV7441-JV	1	Green	Water clear	T1	.119/3	0.13	0.98	0.10	1.7	120	565	40	✳	.17	.145	.124
175679CJ	LVG2041	1	Green	Green transparent	T1	.119/3	0.17	0.69	0.08	2.2	129	565	30	✳	.15	.11	.08
114681CJ	LVG2043*	1	Green	Water clear (BG209)	T1	.119/3	0.14	0.98	0.07	2.2	129	565	30	✳	.09	.07	.055
137411CJ	LVB2040	1	Blue	Blue diffused	T1	.119/3	0.21	0.98	0.10	4.8	10	430	50	2.49	2.25	1.95	1.69
334457CJ	LSBI2640	1	Blue	Blue diffused	T1	.197/5	0.17	0.98	0.10	3.8	50	430	—	.75	.73	.69	.66
333382CJ	UT63B1-41-M1A2	1	Blue	Blue diffused	T1	.119/3	0.17	0.98	0.10	3.8	50	466	54	.75	.714	.68	.66
34825CJ	LY3330*	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	.197/5	0.30	0.82	0.07	2.3	12	585	36	✳	.19	.15	.12
104264CJ	LA93B/Y-1	4	Yellow	Yellow diffused (XC410Y)	T1 3/4	.197/5	0.35	0.89	0.08	2.3	25	585	46	.35	.316	.256	.219
334406CJ	LY9033	5	Yellow	Water clear	T1 3/4	.197/5	0.05	0.27	0.03	1.7	30	585	20	✳	.176	.104	.099
175695CJ	LVY3333*	1	Yellow	Water clear	T1 3/4	.197/5	0.30	1.07	0.08	2.1	60	585	20	✳	.19	.15	.12
334107CJ	UT1831-81-S	1	Yellow	Yellow diffused	T1 3/4	.197/5	0.34	0.98	0.10	2.1	16.4	589	44	✳	.098	.064	.061
333964CJ	UT1834-81-S	1	Yellow	Yellow Clear	T1 3/4	.197/5	0.34	0.98	0.10	2.1	55.8	589	22	✳	.098	.069	.049
334385CJ	UT1833-81-M181	1	Yellow	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	2.1	450	590	10	✳	.098	.064	.061

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 62

More LEDs listed on pages 59 & 60

JAMECO ValuePro Standard Output LEDs (Continued)

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See pg 58 for figures

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333622CJ	LHY3330/HO	1	Yellow	Yellow diffused	T1 3/4	.197/5	0.34	0.98	0.10	1.7	350	595	40	$.31	$.30	$.192	$.154
334377CJ	UT1841R-81	1	Hi-eff Red	Red diffused	T1 3/4	.197/5	0.34	0.98	0.10	2.1	23.1	630	44	✳	.098	.064	.061
334060CJ	UT1841R-81-S	1	Hi-eff Red	Red diffused	T1 3/4	.197/5	0.34	0.94	0.10	2.1	23.1	630	44	.27	.213	.102	.066
333921CJ	UT1844R-81-S	1	Hi-eff Red	Red clear	T1 3/4	.197/5	0.34	0.98	0.10	2.1	78.8	630	22	✳	.098	.069	.049
334271CJ	LA93B/I	4	Hi-eff Red	Red diffused PCB mount indicators	T1 3/4	.197/5	0.36	0.15	0.10	1.7	25	635	46	.30	.284	.146	.115
34711CJ	LEG3362*	1	Red/Green	White diffused bi-color/bi-state[1]	T1 3/4	.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.33	.28	.22	.19
333972CJ	UT1871-81-M1	1	Red	Red diffused	T1 3/4	.197/5	0.34	0.98	0.10	1.7	75	660	25	✳	.098	.064	.061
334115CJ	UT1872-81-M1	1	Red	White diffused	T1 3/4	.197/5	0.34	1.00	0.10	1.7	75	660	25	.25	.225	.122	.08
333454CJ	LSR3330/HO/A	1	Red	Red diffused	T1 3/4	.197/5	0.34	1.00	0.10	1.5	140	660	40	✳	.14	.128	.113
333462CJ	LHR3330/HO/A	1	Red	Red diffused	T1 3/4	.197/5	0.34	0.98	0.10	1.5	220	660	40	.23	.219	.146	.104
334035CJ	UT1871-81-UR-P18	1	Red	Red diffused	T1 3/4	.197/5	0.34	0.94	0.10	1.9	250	660	25	✳	.098	.076	.054
333489CJ	LUR3330/HO/A	1	Red	Red diffused	T1 3/4	.197/5	0.34	0.98	0.10	1.5	380	660	40	.20	.174	.146	.104
94511CJ	LH3330	1	Red	Red diffused (XC556RB)	T1 3/4	.197/5	0.31	0.81	0.08	2.3	3	697	36	✳	.17	.13	.10
104248CJ	LA93B/H-1*	4	Red	Red diffused (XC410R)	T1 3/4	.197/5	0.35	0.89	0.08	2.3	6.5	697	46	✳	.23	.19	.17
34745CJ	LH3333	1	Red	Water clear (XC554R)	T1 3/4	.197/5	0.30	1.00	0.08	2.3	7.5	697	20	✳	.15	.11	.065
334174CJ	LHI3360	6	Red/Orange	Red diffused bi-color/solid state[1]	T1 3/4	.197/5	0.34	0.98	0.10	1.7	2.0 & 3.0	697/635	30	.25	.213	.128	.092
334182CJ	LGH3362	6	Red/Green	White diffused bi-color/solid state[1]	T1 3/4	.197/5	0.34	0.98	0.10	1.7	2.0 & 8.0	697/565	30	.23	.222	.146	.104
34673CJ	LHG3392*	7	Red/Green	White diffused bi-color/tri-state	T1 3/4	.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.24	.22	.20	.14
334051CJ	UT1841-81-S	1	Orange	Orange diffused	T1 3/4	.197/5	0.34	0.98	0.10	2.1	23.1	630	44	.22	.176	.102	.066
333243CJ	UT2462-24-D51	7	Orange/Green	White diffused bi-color/tri-state	T1 3/4	.197/5	0.30	0.80	0.10	2.1	11.7	630/572	70	.23	.219	.119	.104
107393CJ	LE3330	1	Orange Red	Orange diffused (XC556A)	T1 3/4	.197/5	0.30	1.02	0.08	2.3	12	635	36	✳	.11	.07	.06
333235CJ	LI13530	1	Orange	Red diffused	T1 3/4	.197/5	0.34	0.98	0.10	1.7	15	635	70	✳	.12	.103	.065
334001CJ	LI3330	1	Orange	Orange diffused	T1 3/4	.197/5	0.35	1.00	0.10	1.7	24	635	36	✳	.098	.069	.049
333913CJ	LE3331	1	Orange	Orange transparent	T1 3/4	.197/5	0.34	0.98	0.10	1.7	75	635	20	✳	.118	.069	.049
34761CJ	LG3330*	1	Green	Green diffused (XC556G)	T1 3/4	.197/5	0.31	0.79	0.09	2.3	12	565	36	✳	.15	.14	.10
334086CJ	LG13740	1	Green	Green diffused	T1 3/4	.197/5	0.34	0.98	0.10	1.7	20	565	68	✳	.098	.064	.061
333227CJ	LG13530	1	Hi-eff Green	Green diffused	T1 3/4	.197/5	0.34	0.98	0.10	1.7	25	565	70	✳	.12	.102	.065
104256CJ	LA93B/G-1*	4	Green	Green diffused (XC410G)	T1 3/4	.197/5	0.35	0.89	0.08	2.3	30	565	46	✳	.23	.19	.17
11359CJ	LG3333*	1	Green	Water clear (BG5704)	T1 3/4	.197/5	0.30	1.04	0.07	2.3	100	565	20	✳	.22	.20	.16
333956CJ	LG3331	1	Green	Green transparent	T1 3/4	.197/5	0.34	0.98	0.10	1.7	150	565	20	✳	.098	.064	.061
333534CJ	LVG3333/S46	1	Green	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	220	565	30	.23	.222	.147	.104
334393CJ	UT1821-81-S	1	Green	Green diffused	T1 3/4	.197/5	0.35	1.00	0.10	2.1	20	572	44	✳	.098	.064	.061
333948CJ	UT1824-81-S	1	Green	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	2.1	68.1	572	22	✳	.108	.069	.049
138691CJ	LVB3330	1	Blue	Blue diffused	T1 3/4	.197/5	0.34	0.98	0.10	4.8	10	430	36	2.15	2.04	1.95	1.79
334457CJ	LSBI2640	1	Blue	Blue diffused	T1 3/4	.197/5	0.17	0.98	0.10	3.8	50	430	40	.75	.73	.69	.66
137613CJ	LSBI3333	1	Blue	Water clear	T1 3/4	.197/5	0.34	0.98	0.08	3.8	160	430	15	2.29	2.04	1.63	1.22
134332CJ	LT18B3-81UR	1	Blue	Water clear (383UBC)	T1 3/4	.197/5	0.30	0.93	0.10	3.8	350	428	20	2.65	2.45	2.25	1.95
119634CJ	LHR3930	1	Red	Red diffused Jumbo (LT9952L)	T2 1/2	.315/8	0.44	0.84	0.07	2.0	100	660	44	.23	.20	.15	.13
137621CJ	LVG3930	1	Green	Green diffused Jumbo	T2 1/2	.315/8	0.43	1.04	0.07	2.3	40	565	44	.23	.211	.192	.122
98992CJ	LY3630	1	Yellow	Yellow diffused XJumbo (XC10Y)	T3 1/4	.394/10	0.54	1.04	0.08	2.3	15	585	42	.29	.26	.21	.16
354790CJ	MCDL-833YD/H1090	1	Yellow	Yellow diffused	T3 1/4	.394/10	0.55	1.00	0.10	2.1	25	590	60	.66	.58	.50	.47
138683CJ	LHR3630	1	Red	Red diffused XJumbo (XC10R)	T3 1/4	.394/10	0.40	1.04	0.10	2.0	100	660	32	.29	.26	.22	.18
354802CJ	MCDL-833SRD/H1090	1	Super Red	Red diffused	T3 1/4	.394/10	0.55	1.00	0.10	1.8	200	660	60	.76	.67	.52	.47
354781CJ	MCDL-833ED/H1090	1	Hi-eff Red	Red diffused	T3 1/4	.394/10	0.55	1.00	0.10	2.0	25	635	60	.66	.58	.50	.47
354773CJ	MCDL-833DG/H1090	1	Green	Green diffused	T3 1/4	.394/10	0.55	1.00	0.10	2.2	20	570	60	.72	.59	.576	.469
98984CJ	LVG3630	1	Green	Green diffused XJumbo (XC10G)	T3 1/4	.394/10	0.40	1.07	0.08	2.3	40	565	32	.27	.26	.19	.13
94561CJ	LFG3360	1	Green	Green diffused blinking (XC5408)†	T1 3/4	.197/5	0.30	1.05	0.08	3-12V	17	565	N/A	.59	.53	.48	.43
351038CJ	MCDL-517GD-F	1	Green	Green diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	2.0	15	565	120	.51	.419	.289	.278
351046CJ	MCDL-517YD-F	1	Yellow	Yellow diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.289	.278
351054CJ	MCDL-517AD-F	1	Amber	Amber diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.289	.278
351011CJ	MCDL-517ED-F	1	Hi-eff Red	Red diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	1.7	20	635	120	.51	.419	.354	.278
351020CJ	MCDL-517ED-EF	1	Orange	Orange diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	2.1	20	635	120	.51	.419	.354	.278
351062CJ	MCDL-517SRD-F	1	Super Red	Red diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	1.8	200	660	120	.57	.469	.323	.31
351071CJ	MCDL-517LRD-F	1	Super Red	Red diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	1.8	300	660	120	.57	.469	.323	.31
351097CJ	MCDL-517URC-U14-F	1	Super Red	Water clear blinking	T1 3/4	.197/5	0.34	1.00	0.10	1.8	300	660	30	.57	.469	.323	.31
34690CJ	LFH3360*	1	Red	Red diffused blinking (XC5410)†	T1 3/4	.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39	.35
138860CJ	LFH3363	1	Red	Water clear blinking†	T1 3/4	.197/5	0.35	1.06	0.10	3-12V	9	697	N/A	.49	.44	.35	.26
351003CJ	MCDL-517HD-F	1	Bright Red	Red diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	2.1	5.0	700	120	.52	.47	.413	.296
379647CJ	MCDL-833YD	1	Yellow	Yellow diffused	T3 1/4	.393/10	0.47	1.00	0.10	2.1	25	590	60	.66	.58	.48	.358
379639CJ	MCDL-833ED	1	Hi-eff Red	Red diffused	T3 1/4	.393/10	0.47	1.00	0.10	2.0	25	635	60	.66	.58	.48	.358
379663CJ	MCDL-833SRD	1	Super Red	Red diffused	T3 1/4	.393/10	0.47	1.00	0.10	1.8	200	660	60	.76	.67	.54	.411
379604CJ	MCDL-833DG	1	Green	Green diffused	T3 1/4	.393/10	0.47	1.00	0.10	2.2	20	570	60	.66	.58	.48	.358
104889CJ	LEG5292	8	Red/Green	White diff. bi-color rectangular††	2 x 5	—	0.27	1.02	0.08	2.3	6/6	695/565	116	✳	.21	.179	.134
333796CJ	UT7231-81	9	Yellow	Yellow diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	5.0	585	70	.29	.241	.119	.085
333761CJ	UT7241-81	9	Hi-eff Red	Orange diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	✳	.127	.08	.074

See pg 58 for figures *10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 61 [1] Reverse polarity to change color † Volt. shown is operating volt. range; no current limiting resistor required. †† For mounting hardware see pg 64

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See pg 58 for figures

Part No.	Mfr. Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333770CJ	UT7241R-81	9	Hi-eff Red	Red diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	✳	$.12	$.102	$.074
333788CJ	UT7222-81	9	Green	White diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	6.1	567	70	.29	.241	.119	.085
333702CJ	UT7321-81	10	Green	Green diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	8.8	567	60	.23	.207	.146	.105
333711CJ	UT7331-81	10	Yellow	Yellow diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	7.2	585	60	.25	.238	.158	.112
333690CJ	UT7341R-81	10	Orange	Red diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	10.1	635	60	.23	.207	.146	.105
94545CJ	LG25030††	10	Green	Green diff. rect. (XC57124G)	3.5 x 6	—	0.26	1.06	0.08	2.3	5.2	565	100	✳	.19	.16	.15
333745CJ	UT5221-81	9	Green	Green diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	7.1	572	82	✳	.088	.056	.053
333753CJ	UT5231-81	9	Yellow	Yellow diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	5.9	589	82	✳	.108	.076	.054
333737CJ	UT521R-81	9	Hi-eff Red	Red diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	8.3	630	82	✳	.098	.076	.054
334650CJ	UB3541R-11 NRAK	11	Orange	0.35" lightbar	8.9 x 10.1	—	—	—	0.10	2.1	7.8	635	N/A	.80	.70	.48	.408
334668CJ	UB3531-11 NYAK	11	Yellow	0.35" lightbar	8.9 x 10.1	—	—	—	0.10	2.1	5.5	585	N/A	.83	.70	.48	.401
334676CJ	UB3521-11 NGAK	11	Green	0.35" lightbar	8.9 x 10.1	—	—	—	0.10	2.1	6.8	567	N/A	.83	.70	.48	.396
334326CJ	LG-150Y-DT	12	Yellow	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	5	585	150	✳	.13	.105	.085
334297CJ	LG-150Y-CT	12	Yellow	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	6.0	588	150	✳	.19	.147	.084
334318CJ	LG-150E-DT	12	Hi-eff Red	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	8	635	150	✳	.19	.147	.085
334289CJ	LG150E-CT	12	Orange	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	6.0	635	150	✳	.147	.104	.084
334334CJ	LG-150G-DT	12	Green	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	10	573	140	✳	.118	.095	.078
334300CJ	LG-150G-CT	12	Green	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	12.5	573	140	✳	.158	.112	.085
334781CJ	LG-150DBK-CT	12	Blue	Water clear SMD 1206	SMD1206	—	0.06	0.13	—	3.5	40	470	150	2.29	2.20	1.72	1.31
334351CJ	LY9553/TR1	13	Yellow	Water clear surface mount	PLCC-2	—	0.12	1.30	—	1.7	7.0	585	84	✳	.15	.114	.102
334369CJ	LG9533/TR1	13	Green	Water clear surface mount	PLCC-2	—	0.12	1.30	—	1.7	9.0	565	84	✳	.15	.114	.103
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202489CJ	MVL-301Y	1	Yellow	Yellow diffused	T1	.119/3	0.14	1.12	0.10	2.1	9.0	585	N/A	✳	$.171	$.145	$.109
211086CJ	LTL-4231N-022	1	Green	Green diffused	T1	.119/3	0.13	1.10	0.10	2.1	12.6	565	N/A	✳	.099	.084	.063
202471CJ	MVL-301HR	1	Orange Red	Red diffused	T1	.119/3	0.14	1.12	0.10	2.0	9.0	640	N/A	✳	.171	.145	.109
135597CJ	LTL307E*	1	Orange Red	Red diffused	T1 3/4	.197/5	0.34	1.00	0.07	2.0	19	635	N/A	✳	.115	.081	.073
26745CJ	MCDL-170EC	5	Red	Water clear	T 3/4	.083/2.1	0.06	0.25	0.11	2.1	7	635	N/A	.23	.207	.189	.18
320282CJ	566-0306	14	Yellow	Yellow diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.1	3.5	583	N/A	.89	.76	.46	.40
320274CJ	566-0206	14	Green	Green diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.2	4	565	N/A	1.15	.94	.53	.515
320291CJ	566-0406	14	Red	Red diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2	7.4	635	N/A	.89	.76	.46	.404

See pg 58 for figures †† For mounting hardware see pg 62 *10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 62

JAMECO ValuePro Medium-Output LEDs

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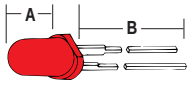


Fig. 1


Fig. 2


Fig. 3

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Reference No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333307CJ	LUY2643-1	1	Yellow	Water clear	T1	.119/3	0.13	0.98	0.10	1.7	900	595	40	$.26	$.174	$.161	$.145
333278CJ	LUR2643-1	1	Red	Water clear	T1	.119/3	0.13	0.98	0.10	1.5	550	660	—	✳	.16	.154	.147
333374CJ	LURF2643-1	1	Red	Water clear	T1	.119/3	0.13	0.98	0.10	1.5	550	630	40	✳	.158	.153	.146
334748CJ	UT63B3-41-UR33	1	Blue	Water clear	T1	.119/3	0.17	0.94	0.10	3.2	900	470	45	1.26	1.21	.92	.66
206501CJ	LVY3331	1	Yellow	Yellow transparent	T1 3/4	.197/5	0.24	1.07	0.07	2.2	700	595	20	✳	.19	.15	.12
206519CJ	LHR3331	1	Red	Red transparent	T1 3/4	.197/5	0.24	1.07	0.07	2.0	660	550	20	✳	.19	.15	.12
334490CJ	LHRF3333/S46/A	1	Red	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.5	700	630	30	.37	.323	.157	.109
351089CJ	MCDL-517URD-F	1	Super Red	Red diffused blinking	T1 3/4	.197/5	0.34	1.00	0.10	1.8	500	660	120	.57	.469	.323	.31
333420CJ	LSR3331	1	Red	Red transparent	T1 3/4	.197/5	0.34	0.98	0.10	1.5	550	660	20	✳	.118	.08	.072
333497CJ	LSR13233	1	Red	Water clear	T1 3/4	.197/5	0.35	0.98	0.10	1.5	720	660	18	✳	.176	.098	.085
333340CJ	LHE2643	1	Orange	Water clear	T1	.119/3	0.13	0.98	0.10	1.7	700	620	40	✳	.158	.144	.137
333358CJ	LUE2643	1	Orange	Water clear	T1	.119/3	0.13	0.98	0.10	1.7	900	620	40	.21	.19	.176	.158
333631CJ	LUE13733	1	Orange	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	700	620	25	.24	.21	.191	.172
153154CJ	LVG3333	1	Green	Water clear (HLMP-8509)	T1 3/4	.197/5	0.36	0.90	0.10	2.3	500	565	20	✳	.14	.10	.08
333551CJ	LVG13233	1	Green	Water clear	T1 3/4	.197/5	0.35	0.98	0.10	1.7	600	565	18	.23	.219	.146	.138
333542CJ	LVG3833	1	Green	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	550	565	12	✳	.16	.149	.138
334465CJ	LDBK3331/H0	1	Blue	Blue transparent	T1 3/4	.197/5	0.34	0.98	0.10	3.5	900	470	26	1.79	1.46	1.29	1.07
334756CJ	UT5KW3-AA-UAE3-TO1	2	White	Water clear	SMD1206	—	.08	0.14	—	3.2	550	—	120	2.35	2.19	1.99	1.62
BrightView Other Manufacturers — Great Deals																	
176532CJ	MV50G	3	Green	Water clear	T 3/4	.069/1.7	0.06	0.40	0.08	2.1	300	568	—	✳	$.108	$.097	$.088
210825CJ	BVU-5MIQN1	1	Orange Red	Red diffused	T1 3/4	.197/5	0.30	1.07	0.08	2.1	600	615	—	.44	.40	.32	.24

High-Output LEDs

• Typical DC forward current 20mA

A Jameco EXCLUSIVE

See page 62 for LED Mounting Hardware

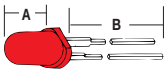
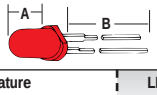
Fig. 1 

Fig. 2 

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Reference No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
334764CJ	CMD204UWC-JV	1	White	Water clear	T1	.119/3	0.20	1.00	0.10	3.7	1000	475	30	$2.35	$2.29	$1.71	$1.54
217525CJ	MCDPW-3004C	1	White	Water clear	T1	.119/3	0.18	1.00	0.10	3.8	3000	—	30	2.99	2.85	2.69	2.55
333577CJ	LUYS3333	1	Yellow	Water Clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	2700	587	20	.30	.285	.177	.145
197675CJ	BVT-5E1TT4E	1	Yellow	Water clear	T1 3/4	.197/5	0.30	1.08	0.08	2.3	2800	592	15	.45	.36	.29	.27
333614CJ	LUY3833H	1	Yellow	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	5000	590	12	.31	.261	.239	.215
333569CJ	LUY3333/A	1	Yellow	Water clear	T1 3/4	.197/5	0.35	1.00	0.10	1.7	1500	595	20	.30	.285	.177	.124
333593CJ	LHY3833	1	Yellow	Water clear	T1 3/4	.197/5	0.35	1.00	0.10	1.7	1500	595	20	.30	.285	.265	.178
333606CJ	MV8315-JV	1	Yellow	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	2700	595	12	.31	.28	.21	.181
197616CJ	BVU-5E1QH4E	1	Red	Water clear	T1 3/4	.197/5	0.30	1.05	0.08	1.8	2180	630	15	.39	.35	.29	.25
334422CJ	UT9C13-86-UDC2	1	Red	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.9	2700	630	18	.20	.196	.157	.109
334481CJ	UT1813-86-UC9T-P27	1	Ultra Red	Water clear	T1 3/4	.197/5	0.34	0.94	0.10	2.2	3500	642	15	.20	.196	.157	.146
152864CJ	BVU-501RD4	1	Red Super Bright	Water clear	T1 3/4	.197/5	0.34	0.89	0.10	1.9	1000	660	20	.29	.24	.19	.15
333438CJ	UT1873-81-UR	1	Red	Water clear	T1 3/4	.197/5	0.34	0.94	0.10	1.9	1000	660	10	✳	.19	.119	.085
333446CJ	UT1873-81-UR-P22	1	Red	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.9	1200	660	25	✳	.19	.119	.098
333518CJ	LUR13233	1	Red	Water clear	T1 3/4	.197/5	0.35	0.98	0.10	1.5	2400	660	18	✳	.19	.147	.11
333526CJ	LUR3833	1	Red	Water clear	T1 3/4	.197/5	0.35	0.98	0.10	1.5	2700	660	12	✳	.16	.119	.107
333500CJ	LHR3833/A	1	Red	Water clear	T1 3/4	.197/5	0.35	0.98	0.10	1.5	1500	660	12	✳	.19	.119	.085
333665CJ	LEF3833	1	Orange	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	1700	620	12	.30	.29	.20	.178
333649CJ	LHE3333	1	Orange	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	1800	620	20	.30	.285	.177	.124
333657CJ	LUE3333	1	Orange	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	3400	620	20	.29	.237	.208	.178
333673CJ	LUE3833	1	Orange	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	1.7	5000	620	12	.30	.27	.177	.159
131895CJ	TLSH180P	1	Orange	Water clear	T1 3/4	.197/5	0.39	0.80	0.10	2.1	10000	623	8	2.49	2.19	1.95	1.79
197683CJ	BVT-5E1QT4ER	1	Orange Red	Water clear	T1 3/4	.197/5	0.29	1.08	0.08	2.3	4650	634	15	.69	.59	.49	.39
334473CJ	LDGL3333/H0	1	Green	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.79	1.45	1.29	1.05
183214CJ	MCDPG-503PC1	1	Green	Water clear	T1 3/4	.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	2.95	2.65	2.39	2.15
183222CJ	MCDL-513SBC4	1	Blue	Water clear	T1 3/4	.197/5	0.29	1.02	0.08	3.6	3000	470	25	3.25	2.95	2.65	2.39
334502CJ	LWK3333	1	White	Water clear	T1 3/4	.197/5	0.34	0.98	0.10	3.5	5000	—	16	1.89	1.55	1.28	1.02
334772CJ	UT18W3-86-UAF1-P22	1	White	Water clear	T1 3/4	.197/5	0.34	1.00	0.10	3.6	2900	475	25	2.35	2.19	1.97	1.77
183231CJ	BVU-5C14WK4-B	1	White	Water clear	T1 3/4	.197/5	0.30	1.06	0.08	3.5	3000	—	10	2.95	2.65	2.39	2.15
142893CJ	BVU-5E1WK4-B	1	White	Water clear	T1 3/4	.197/5	0.34	0.79	0.08	3.5	3700	—	15	3.95	3.59	2.95	2.75
320531CJ	MCDL-5013UWC	1	White	Water clear	T1 3/4	.197/5	0.30	1.00	0.10	3.8	5000	—	15	1.09	.98	.76	.68
197641CJ	BVT-529TT3E	2	Yellow	Yellow transparent	Oval	.170"/.220"	0.29	1.04	0.08	2.3	7800	592	70	.69	.62	.55	.49

HLMP Series LEDs





✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
253278CJ	HLMP-1301	Red	Diffused	T1	.119/3	0.19	1.00	0.10	1.9 @ 10	5.4 @ 10	635	✳	$.137	$.112	$.098
253366CJ	HLMP-1321	Red	Tinted	T1	.119/3	0.19	1.00	0.10	1.9 @ 10	30 @ 10	635	✳	.167	.13	.10
253551CJ	HLMP-1340	Red	Clear	T1	.119/3	0.19	1.00	0.10	1.9 @ 20	55 @ 10	635	✳	.122	.105	.076
253690CJ	HLMP-1700	Red	Diffused	T1	.119/3	0.19	1.00	0.10	1.7 @ 2	2.1 @ 2	635	✳	.132	.105	.086
253702CJ	HLMP-K101	Red	Diffused	T1	.119/3	0.19	1.00	0.10	1.8 @ 20	45 @ 20	645	✳	.203	.133	.106
253711CJ	HLMP-K105	Red	Clear	T1	.119/3	0.19	1.00	0.10	2.2 @ 20	65 @ 20	645	✳	.169	.152	.113
253729CJ	HLMP-K150	Red	Diffused	T1	.119/3	0.19	1.00	0.10	1.8 @ 1	2.0 @ 1	645	✳	.216	.171	.097
253631CJ	HLMP-1503	Green	Diffused	T1	.119/3	0.19	1.00	0.10	2.1 @ 10	1.0 @ 10	565	✳	.103	.076	.061
253649CJ	HLMP-1521	Green	Tinted	T1	.119/3	0.19	1.00	0.10	2.7 @ 10	6.7 @ 10	565	✳	.216	.171	.095
253657CJ	HLMP-1523	Green	Diffused	T1	.119/3	0.19	1.00	0.10	2.1 @ 10	7.0 @ 10	565	.32	.244	.171	.095
253665CJ	HLMP-1540	Green	Clear	T1	.119/3	0.19	1.00	0.10	45 @ 20	2.2 @ 20	565	.24	.207	.174	.139
253681CJ	HLMP-1790	Green	Diffused	T1	.119/3	0.19	1.00	0.10	2.2 @ 2	2.3 @ 2	565	✳	.132	.105	.099
253673CJ	HLMP-1719	Yellow	Diffused	T1	.119/3	0.19	1.00	0.10	2.5 @ 2	2.1 @ 2	583	✳	.132	.105	.086
253614CJ	HLMP-1401	Yellow	Diffused	T1	.119/3	0.19	1.00	0.10	2.0 @ 10	2.2 @ 10	583	✳	.137	.112	.098
253622CJ	HLMP-1440	Yellow	Clear	T1	.119/3	0.19	1.00	0.10	2.1 @ 20	45 @ 20	583	✳	.122	.105	.076
253745CJ	HLMP-3300	Red	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.2 @ 10	3.5 @ 10	635	.33	.263	.188	.113
253753CJ	HLMP-3301	Red	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	635	✳	.16	.143	.095
253788CJ	HLMP-3750	Red	Clear	T1 3/4	.197/5	0.36	0.90	0.10	1.9 @ 20	125 @ 20	635	.20	.178	.166	.146
253817CJ	HLMP-4700	Red	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	1.7 @ 2	2.3 @ 2	626	.31	.244	.171	.095
253841CJ	HLMP-D101	Red	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.2 @ 20	70 @ 20	645	✳	.207	.171	.119
253850CJ	HLMP-D150	Red	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	1.8 @ 1	3.0 @ 1	645	.31	.244	.171	.096
11797CJ	QLMP-D141*	Red	Water clear	T1 3/4	.197/5	0.29	1.05	0.07	2.0 @ 20	350 @ 20	660	✳	.158	.112	.073
253868CJ	HLMP-D401	Orange Red	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	600	✳	.14	.127	.126
203553CJ	HLMP-4100	Orange Red	Water clear	T1 3/4	.197/5	0.33	1.07	0.08	2.1 @ 20	600 @ 20	615	.29	.25	.20	.15
253770CJ	HLMP-3507	Green	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.1 @ 10	4.2 @ 10	565	✳	.169	.143	.10
253809CJ	HLMP-3950	Green	Clear	T1 3/4	.197/5	0.36	0.90	0.10	1.5 @ 20	265 @ 20	565	✳	.244	.171	.095
253833CJ	HLMP-4740	Green	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.2 @ 2	2.3 @ 2	565	✳	.244	.171	.124
253761CJ	HLMP-3401	Yellow	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.0 @ 10	5.7 @ 10	583	.29	.244	.171	.095
253796CJ	HLMP-3850	Yellow	Clear	T1 3/4	.197/5	0.36	0.90	0.10	2.1 @ 20	140 @ 20	583	✳	.244	.171	.098
253825CJ	HLMP-4719	Yellow	Diffused	T1 3/4	.197/5	0.36	1.00	0.10	2.5 @ 2	2.1 @ 2	585	✳	.226	.171	.096

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 62

LEDTECH Standard and High-Output LEDs

- Typical DC forward current 20mA

Ledtech is a QS9000 and ISO-9000 Certified Company

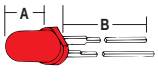


Fig. 1

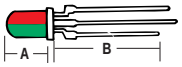


Fig. 2

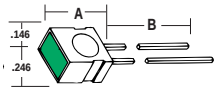


Fig. 3


152805CJ

151415CJ 

✳ Prepackaged: order in increments of 10, 100 or 1000

Part Number	Product Number	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter (in./mm)	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
156953CJ	LT0373-41	1	Red Super Bright	Water clear	T1	.119/3	0.21	1.07	0.08	1.7 @ 20	600 @ 20	660	**$.24**	**$.22**	**$.17**	**$.14**
156945CJ	LT0362-25-D61	2	Red/Green	White diff. bi-color tri-state	T1	.119/3	0.16	0.87	0.08	2.1 @ 20	2.7/13.3 @ 20	700/567	**.29**	**.25**	**.19**	**.15**
152750CJ	LT0344R-41	1	Orange Red	Red clear	T1	.119/3	0.20	0.89	0.10	2.1 @ 20	52.9 @ 10	635	✳	**.19**	**.16**	**.12**
152784CJ	LT0341R-41	1	Orange Red	Red diffused	T1	.119/3	0.20	0.89	0.10	2.1 @ 20	15.5 @ 10	635	✳	**.17**	**.15**	**.12**
152768CJ	LT0324-41	1	Green	Green clear	T1	.119/3	0.20	0.89	0.10	2.1 @ 20	45 @ 20	567	✳	**.077**	**.059**	**.057**
156929CJ	LT0321-41-HE	1	Green	Green diffused	T1	.118/3	0.16	0.88	0.10	2.1 @ 20	32 @ 20	567	✳	**.18**	**.11**	**.10**
156937CJ	LT0331-41	1	Yellow	Yellow diffused	T1	.119/3	0.20	0.95	0.10	2.1 @ 20	11 @ 20	585	✳	**.14**	**.10**	**.07**
136493CJ	LT0333-41*	1	Yellow	Water clear	T1	.119/3	0.20	0.95	0.10	2.3 @ 20	38 @ 20	589	✳	**.19**	**.11**	**.09**
215597CJ	LT2K33-81-UC9T	1	Yellow	Water clear	T1¾	.197/5	0.31	0.89	0.10	2.2 @ 20	5000 @ 20	592	**.59**	**.55**	**.49**	**.45**
261622CJ	LT1873-81-UR-P22	1	Red	Water clear	T1¾	.197/5	0.34	0.89	0.10	1.9 @ 20	1200 @ 20	660	**.21**	**.20**	**.19**	**.15**
242843CJ	LT1811-81	1	Red	Red diffused	T1¾	.197/5	0.30	0.88	0.10	2.1 @ 20	4.1 @ 20	700	✳	**.12**	**.10**	**.06**
152805CJ	LT1873-81-UR	1	Red Ultra Bright	Water clear	T1¾	.197/5	0.34	0.89	0.10	1.9 @ 20	2000 @ 20	660	**.29**	**.25**	**.19**	**.15**
153138CJ	LT2KJ3-UR-S14	1	Orange	Water clear	T1¾	.197/5	0.36	0.90	0.10	2.1 @ 20	2500 @ 20	621	**.49**	**.44**	**.39**	**.35**
302033CJ	LT1814-81	1	Orange	Red diffused	T1¾	.197/5	0.34	0.88	0.10	2.1 @ 20	23.1 @ 20	635	✳	**.105**	**.071**	**(.054)**
152856CJ	LT1841R-81	1	Orange Red	Red diffused	T1¾	.197/5	0.34	0.89	0.10	2.1 @ 20	23 @ 20	635	✳	**.17**	**.15**	**.13**
156961CJ	LT1823-81-HE	1	Green	Water clear	T1¾	.197/5	0.34	0.87	0.10	2.1 @ 20	500 @ 20	567	✳	**.17**	**.15**	**.12**
152821CJ	LT1821-81-HE	1	Green	Green diffused	T1¾	.197/5	0.34	0.89	0.10	2.1 @ 20	96 @ 20	567	✳	**.16**	**.12**	**.09**
175687CJ	LT0524-81	1	Green	Green transparent	T1¾	.197/5	0.24	1.07	0.07	2.1 @ 20	44 @ 20	567	✳	**.16**	**.12**	**.09**
152792CJ	LT1833-81-M1	1	Ylw Super Bright	Water clear	T1¾	.197/5	0.34	0.89	0.10	2.1 @ 20	1040 @ 20	593	**.26**	**.24**	**.19**	**.14**
152830CJ	LT1831-81-UR	1	Ylw Ultra Bright	Yellow diffused	T1¾	.197/5	0.34	0.89	0.10	2.0 @ 20	424 @ 20	593	**.26**	**.24**	**.20**	**.14**
34850CJ	LT7341R-81†	3	Orange Red	Red diffused rectangular	3.5 x 6	—	0.27	0.85	0.07	2.0 @ 20	5.2 @ 20	635	**.29**	**.242**	**.196**	**.152**
				White Diffused Backlight												
151415CJ	LT1F24-A2-S1	—	Green	Backlight, diffused	2.05"L x 0.78"H x 0.09"T				8-pin	4.2 @ 20	140 @ 20	567	**$2.95**	**$2.66**	**$2.12**	**($1.59)**
302535CJ	LT1F24-A2-S8	—	Green	Backlight, diffused	1.56"L x 0.98"H x 0.15"T				8-pin	4.2 @ 20	24.8@ 20	567	**2.95**	**2.65**	**2.39**	**(1.79)**

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, below † For Mounting Hardware, below

LED Cabinet Kit and LED Mounting Hardware

LED Mounting Hardware

- P/N 95521CJ: for use with P/N 94545CJ and 34850CJ, pg 59


95513CJ


23077CJ


95521CJ

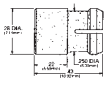
Prepackaged: order in increments of 10, 100 or 1000

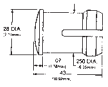
Part No.	Mfr. Cross Ref. No.	Description	Color	Mounting Hole Dia.	Panel Thickness	Pricing 10	Pricing 100	Pricing 1000
95513CJ	LMH100	T1 snap-in	Black	.185"	Up to .070"	**$.08**	**$.07**	**$.04**
23077CJ	LMH200	T1¾ ring & clip	Black	.257"	Up to .125"	**.15**	**.135**	**.12**
95521CJ	LMH250	Rect. snap-in	Black	.306" x .202"	Up to .092"	**.20**	**.17**	**(.127)**
379815CJ	—	10mm snap-in	Black	.539"	Up to .125"	**.43**	**.35**	**.32**

T1¾ Cliplite® LED Lens Mount

- Requires no assembly tools, just snap in
- Material: lens – polycarbonate; spacer – nylon
- Increases viewing angle to 180˚
- Helps guard against electrostatic discharge up to 16kV


29612CJ


Fig. 1 (5mm)


Fig. 2 (5mm)

Part No.	Product No.	Description	Color	Fig.	Mounting Hole Dia.	Panel Thickness	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
14277CJ	CLF280CTP	T1¾	Clear	1	.25"	.063" –.125"	**$.25**	**$.19**	**$.16**	**$.14**
29612CJ	CLF280RTP	T1¾	Red	1	.25"	.063" –.125"	**.28**	**.247**	**.219**	**.188**
124927CJ	CLB300CTP	T1¾	Clear	2	.25"	.031" – .25"	**.25**	**.19**	**.16**	**.14**

T1 & T1¾ Cliplite® Lens and Conxrite® Cable Assembly

Cliplite® Lens: • Material: (lens) polycarbonate: (ring) polyproplyene (UL Listed)
- Mounts through front panel in O.171" hole diameter, panel thickness: 1/32" to 3/32"

Conxrite® Cable Assembly: • Terminals: phosphor bronze, tin-plated
- Connector socket and ring/header connector: thermoplastic (UL Listed)
- Wire: 22AWG, 7 strand copper, insulated



Part No.	Product No.	Size	Description	1	10	100	1000
143183CJ	SMC170CTP	T1	Clear Cliplite® lens	**$.23**	**$.203**	**$.169**	**$.129**
143132CJ	CMC321CTP	T1¾	Clear Cliplite® lens	**.25**	**.22**	**.18**	**.14**
143087CJ	BE2108	T1	8.5" cable assembly	**1.25**	**1.13**	**1.05**	**.99**
143036CJ	CE2108	T1¾	8.5" cable assembly	**1.29**	**1.25**	**1.19**	**1.15**
143052CJ	CE2118	T1¾	18" cable assembly	**1.55**	**1.39**	**1.20**	**1.09**

LEDs & LED Mounting Hardware Kit

Includes:



- 20-drawer component cabinet (319599CJ), 20 clear plastic drawers (319601CJ), 20 clear dividers (319610CJ), pg 258 and labels
- 10 ea. standard-output LEDs (34657CJ, 114673CJ, 114681CJ, 34606CJ, 175695CJ, 34825CJ, 34690CJ, 11359CJ, 34761CJ, 34711CJ, 104248CJ, 104256CJ, 34673CJ), pg 59 and 136493CJ, pg 62
- 10 ea. HLMP series LEDs (11797CJ), pg 61
- 10 ea. LED lens mount (14277CJ), right
- 100 ea. LEDs (94529CJ, 135597CJ), pg 60
- 100 ea. LED mounting hardware (95513CJ, 23077CJ), right

SAVE $25

Part No.	Description	Wt. (lbs.)	1	10
84996CJ	560 pcs. kit	5.0	**$66.95**	**$60.25**

Electronic Pocket Reference

Third Edition McGraw-Hill Publishing



A pocket reference manual that provides definitions, passive component equations and color coding, parameters of standard semi-conductors, linear circuits, filters, power supply and regulation, electronic measurement and mathematical tables and formulas. (529 pages, 2000)

• Size: 4.0" x 6.0" • Weight: 0.9 lbs.

Part No.	Description	Price
174481CJ	Electronics Pocket Reference	**$26.95**

JAMECO ValuePro

7-Segment LED Displays

The general advantages of LED displays compared to incandescent types include:

- Lower power consumption
- Longer lifetime (averaged more than 300,000 hours)
- Compact size suitable for instrumentation and graphic representations

Soldering:

- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W

A Jameco EXCLUSIVE


Single Digit RHDP


Single Digit RHDP/LHDP


2-Digit RHDP


3-Digit RHDP


4x7 Hex Character


Dot Matrix



202526CJ pg 64

Optos

Part No.	Mfr. Cross Reference No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
320469CJ	UA3031-16-EWRN	.300"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	$.71	$.64	$.58	$.87
334983CJ	UA3051-12	.300"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.78	.69	.61	.478
395639CJ	UA3051-16EWRS	.300"	Red	CA	11	3.0 @ 20	0.8 @ 10	700	LHDP/RHDP	1.09	.98	.96	.81
334799CJ	UC3051-11	.300"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.78	.76	.61	.478
335003CJ	UA3041R-12	.300"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.58	.49
334801CJ	UC3041R-11	.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.54	.49
334810CJ	UC3041R-20	.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	.86	.77	.57	.49
335011CJ	UA3041-12	.300"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.57	.42
335257CJ	UC3671-11-M1-EWAK	.360"	Super Bright Red	CA	10	1.7 @ 20	6.0 @ 10	643	RHDP	1.27	1.12	1.06	.75
334836CJ	UA4071-11-UR EWAK	.400"	Red	CA	10	1.9 @ 20	25.6 @ 10	660	RHDP	.88	.79	.62	.56
335020CJ	UA4051-11	.400"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.69	.62	.432	.41
334844CJ	UC4041R-11	.400"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.77	.73	.56	.44
334828CJ	UC4041-11	.400"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.78	.74	.56	.44
335046CJ	UA4041-11	.400"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.78	.74	.56	.44
335054CJ	UN4043-13 EWRS	.400"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.25	1.96	1.88	1.37
334852CJ	UC4031-11	.400"	Yellow	CC	10	2.1 @ 20	2.3 @ 10	585	RHDP	.80	.76	.57	.452
335038CJ	UA4021-11	.400"	Green	CA	10	2.1 @ 20	2.9 @ 10	567	RHDP	.80	.75	.57	.452
335214CJ	UC5442-11 EWRS†	.540"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	2.95	2.58	2.48	1.81
335222CJ	UA5422-11 EWRS†	.540"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	2.65	2.34	2.24	1.64
334887CJ	UC5651-11	.560"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.04	.99	.87	.70
334932CJ	UC5652-11	.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	.95	.90	.68	.65
334959CJ	UA5652-11	.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.39	1.32	.98	.94
335089CJ	UA5651-11	.560"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.04	.99	.87	.70
335273CJ	UA5654-11 EWRS	.560"	Red	4-digit CA	36	2.1 @ 20	0.8 @ 10	700	RHDP	2.25	1.75	1.52	1.26
334895CJ	UC5641R-11	.560"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.76	.74	.51	.401
334941CJ	UC5642R-11	.560"	Hi-eff Red	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.18	.95	.80	.64
334975CJ	UA5642R-11	.560"	Hi-eff Red	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	.85	.84	.63	.60
335100CJ	UA5641R-11	.560"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.75	.67	.50	.394
335311CJ	UA5641-11	.560"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.60	.50	.40	.38
334879CJ	UC5641-11	.560"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.65	.60	.416	.401
335151CJ	UA5642-11	.560"	Orange	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	.88	.81	.64	.58
334924CJ	UC5642-11	.560"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.03	.89	.61	.58
335185CJ	UM5644R-11 RRRS	.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.59	2.34	2.24	1.64
335126CJ	UA5621-11	.560"	Green	CA	10	2.1 @ 20	2.9 @ 10	562	RHDP	.75	.61	.40	.38
334861CJ	UC5621-11	.560"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.81	.80	.546	.423
334967CJ	UA5622-11	.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.65	1.45	1.20	.96
334916CJ	UC5622-11	.560"	Green	2-digit CC	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.04	.99	.74	.70
335169CJ	UC5624-11 EWRS	.560"	Green	4-digit CC	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.46	1.67	1.51
335177CJ	UA5624-11 EWRS	.560"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.25	2.05	1.69
335193CJ	UM5624-11 EWRS	.560"	Green	4-digit CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.34	2.24	1.64
334908CJ	UC8041-21 EWRS	.800"	Orange	CC	13	2.1 @ 20	3.8 @ 10	635	RHDP	1.29	1.05	.88	.70
335281CJ	UJ1141-21 EWRN	1.2"	Orange	5 x 7 CC/AR	14	2.1 @ 20	4.6 @ 10	635	—	5.49	4.95	4.45	3.94
335290CJ	UJ2041-22 EWRN	2.0"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	—	3.65	3.26	3.14	2.73
			Other Manufacturers — Great Deals										
24731CJ	LSD3021-11	.300"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	$.87	$.70	$.50	$.47
308187CJ	LC3041R-RRRN	.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	.73	.64	.59	.56
24740CJ	LSD3221-11	.300"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.79	.72	.64	.58
24782CJ	LSD3211-11	.300"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	.89	.75	.65	.49
308179CJ	LC3951-11EWAK	.390"	Red	CC	10	2.1 @ 20	0.6 @ 10	700	RHDP	.79	.73	.68	.67
17187CJ	LSD5051-11	.500"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.80	.72	.65
17208CJ	LSD5061-11	.500"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.75	.65	.49
104213CJ	LSD5124-10	.560"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.89	.80	.64	.48

*CA-Common Anode/CC-Common Cathode/AR-Anode Row # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 14 segment

Color Code Legend: New Sale Lower$ QtySave

7-Segment LED Displays (Continued)

Quantity SAVE

See pg 63 for package

Other Manufacturers — Great Deals

Part No.	Mfr. Cross Reference No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
308224CJ	LM5643R-11RRRN	.560"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	$2.25	$2.05	$1.79	$1.69
308232CJ	LM5644R-11RRRN	.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.75	2.45	2.19	2.09
199531CJ	LSD5111-11	.560"	Red	CC	10	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.11	.89	.66
24715CJ	LDD5121-20	.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
24723CJ	LDD5111-11	.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
200379CJ	LB602VAGI	.560"	Red	2-digit CA	18	2.0 @ 10	16 @ 10	650	RHDP	1.19	1.07	.86	.64
24694CJ	LDD5124	.560"	Orange Red	2-digit CA	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.69	1.52	.96	.73
24707CJ	LDD5114-20	.560"	Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98	.69
200539CJ	ELD556YWA	.560"	Yellow	2-digit CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	1.39	1.15	1.00	.75
308216CJ	LA5622-11EWRN	.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	.87	.65	.56	.53
225963CJ	KW3-562A2B	.560"	Green	3-digit CA	28	2.2 @ 20	15 @ 20	568	RHDP	2.39	2.15	1.95	1.25
199582CJ	LC56311	.560"	Yellow	CC	8	2.1 @ 20	5.2 @ 20	589	RHDP	1.49	1.25	1.09	.79
18737CJ	LSD816-11	.800"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.49	1.35	1.19	.99
308259CJ	LA8071-11-MIEWRW	.800"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.39	1.25	1.13	1.07
18753CJ	LSD8151-10	.800"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.49	1.34	1.07	.80
176559CJ	C8021-1	.800"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	.49	.44	.35	.26
308161CJ	LA2541-24EWRN	1.0"	Orange	CA	10	4.2 @ 20	5.2 @ 10	635	RHDP	2.89	2.65	2.29	2.15
97172CJ	LSD10061-10	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.39	1.25	1.12	.99
97199CJ	LSD23265-10	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	5.75	5.19	4.69	4.19
97201CJ	LSD23255-10	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.25	2.95
308208CJ	LA2321-42EWRN	2.24"	Green	CA	10	4.2 @ 40	2.7 @ 10	567	RHDP	8.45	8.15	6.59	5.25
202518CJ	LSD30165-20	3.0"	Orange Red	CA	10	8 @ 20	4.5 @ 10	635	RHDP	7.39	6.65	5.32	3.99
202542CJ	LSD30155-20	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	5.49	4.95	4.45	4.05
105591CJ	LSD40054-20†	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49	6.49
202500CJ	LSD40064-20	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59	7.79
202526CJ	LSD50065-20	5.0"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	30.19	24.15	21.75	19.55
202534CJ	LSD50055-20	5.0"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	17.95	14.35	12.95	11.65

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 5 diodes per segment

LEDs Displays (Dot Matrix)

Quantity SAVE

Part No.	Mfr. Cross Reference No.	Jameco Socket Number	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
173833CJ	HP5082-7300	—	.290"	Red	4x7 Numeric	8	5.0 @ 170	.03 @ 20	660	RHDP	$4.95	$4.46	$4.01	$3.34
32951CJ	TIL311	37161CJ	.300"	Red	4x7 Hex character	11	5.0 @ 5	0.1 @ 5	660	—	16.95	14.35	12.20	11.45
308152CJ	LA5041R-11BRRRN	—	.500"	Orange	Alphanumeric	18	2.1 @ 20	7.4 @ 10	635	RHDP	1.69	1.49	.89	.85
118906CJ	LTP747R	37161CJ	.680"	Orange Red	5 x 7 AC/CR	12	1.7 @ 20	0.2 @ 20	655	—	2.25	2.05	1.65	1.25
218843CJ	CSM57041T-11	—	.700"	Red	5 x 7 CC/CR	12	1.8 @ 20	8 @ 20	660	—	1.95	1.76	1.40	1.05
308144CJ	LJ5763-M1FEWRN	—	1.10"	Red/Green	5 x 7 CC/AR	20	1.7/2.1 @ 20	10.8/20.0 @ 10	660/567	—	4.05	3.45	3.25	3.09
206560CJ	LTP2157AG	—	2.0"	Green	5 x 7 CC/AR	14	3.7 @ 80	4.8 @ 80	565	—	2.59	2.35	2.13	1.94
183265CJ	LMD5821ASR-20	—	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	12 @ 20	660	—	4.95	4.49	3.95	3.49
308110CJ	LJ4071-22 EWRN	—	3.60"	Red; gray face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	15.45	15.09	14.75	14.25
308128CJ	LJ4071-22 BRRN	—	3.60"	Red; black face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	15.45	15.09	14.76	14.25
308136CJ	LJ4071-22 BWRN	—	3.60"	Red; red face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	20.65	16.49	14.75	14.25

* CA-Common Anode/CC-Common Cathode/AC-Anode Column/CR-Cathode Row/AR-Anode Row # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

2-50mA LED Tester



This pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of 12 positions on the socket strip to test at current ratings from 2-50mA. The seven middle positions on the strips are set at 10mA allowing comparison of LEDs in those spaces.

Requires: 9V battery (recommend P/N 198791CJ, pg 194)

- Size: 3.2"L x 2.4"W x 0.9"H

Part No.	Description	Price
354968CJ	LED tester	$8.55

2-150mA LED Tester

NEW



Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of the 13 positions on the tester at current ratings ranging from 2-30mA. Another 13 position strip ranging from 20mA to 150mA to test other types of LEDs with ACA (anode-cathode-anode) or CAC (cathode-anode-cathode) pin configuration. Includes 9V battery.

- Size: 3.1" L x 2.2" W x 0.9" H

Part No.	Description	Price
355805CJ	LED tester	$8.95

Practical Electronics Book for Inventors



McGraw-Hill Publishing

Provides information needed for practical use in a format you can understand. With hand drawn illustrations, this learn-as-you-go guide shows you what a particular device does, looks like and compares it with other similar devices. (604 pages, 2000)

- Size: 8.4" x 11" • Weight: 2.8 lbs.

Part No.	Description	Price
174529CJ	Practical Electronics Book for Inventors	$39.95

Infrared and Visible Light Emitters and Detectors

A Jameco EXCLUSIVE

NEW

- Use for remote control and/or for fiber optics
- **P/N 133946CJ:** Can be used with cameras, see page 220 (peak emission wavelength: 940nm @ 20mA)

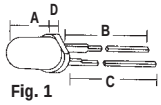


Fig. 1

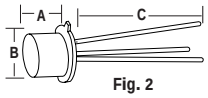


Fig. 2


Fig. 3


Fig. 4

Part No.	Mfr. Cross Ref. No.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	nm	mWatts	Pricing 1	10	100	1000
372710CJ	UT0383-41-940	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	940	13	$.23	$.225	$.151	$.136
372728CJ	UT0385-41-880	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	880	13	.30	.28	.176	.158
372736CJ	UT1883-81-880[1]	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.32	.22	.176	.158
372744CJ	UT1885-81-880[2]	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.30	.28	.176	.158
372761CJ	UT1883-81-940	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.25	.197	.129	.116
372779CJ	UT1885-81-940	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.29	.23	.151	.136
372816CJ	UT6W83-AE-940	4	Infrared emitter diode (GaAs), sidelook	4.45mm x 2.31mm	—	—	—	—	—	1.3V @ 50mA	940	50	.29	.23	.144	.13
372963CJ	UT0393-46-0125[1]	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	.25	.24	.185	.167
372971CJ	UT0395-46-0125[2]	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	.25	.24	.185	.167
373000CJ	UT1893-91-0125	1	Infrared phototransistor	T1 ¾	0.200/5	—	—	—	—	—	—	—	.26	.25	.192	.173
373042CJ	UT6W93-AE-0125	4	Infrared phototransistor, side view	4.45mm x 2.31mm	—	—	—	—	—	—	—	—	.30	.28	.22	.198
373051CJ	UT6W95-AE-0125	4	Infrared phototransistor, side view	4.45mm x 2.31mm	—	—	—	—	—	—	—	—	.28	.26	.24	.216
Other Manufacturers — Great Deals																
112150CJ	LIR2043	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	$.22	$.18	$.14	$.12
133946CJ	SLI-0308CP	1	Infrared emitter diode (GaAs)	T1	0.12/3	0.22	0.98	1.00	0.03	1.3V @ 50mA	940	4	.62	.53	.40	.31
112176CJ	LPT2023	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	—	940	—	.39	.29	.19	.15
106526CJ	LVIR3333	1	Infrared emitter diode (GaAs)	T1¾	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	.39	.29	.19	.15
112168CJ	LPT3313	1	Infrared phototransistor	T1¾	0.200/5	0.31	1.05	1.10	0.04	—	940	—	.36	.30	.24	.20
120221CJ	BPW77NA	2	Visible light phototransistor	TO-18	—	0.24	0.19	0.52	—	—	850	—	1.99	1.89	1.55	.97
172321CJ	OP133	3	Infrared emitter diode (GaAs)	TO-46	—	0.22	0.18	1.05	0.20	1.4V @ 100mA	935	5	2.15	1.95	1.69	1.59

Lens color: 1 = water clear; 2 = blue clear

LED Replacement Lamps

A Jameco EXCLUSIVE

NEW

585 Series Non-Polarized

- Low current draw – 90% less energy than incandescent
- No heat generated
- Long life – up to 100k hours
- Mounts directly into industry standard socket

Multi-Chip Based LED T1 - Midget Flange

- Replaces incandescent lamp numbers: 327, 328, 330, 345, 350, 376, 377, 380, 381, 382, 385, 387, and 7341

Part No.	Mfr. Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
392673CJ	585-1223	Ultra Red	14	20	280	625	$5.79	$5.65	$4.48
392681CJ	585-1323	Green	14	14	500	525	5.49	5.35	4.25
392690CJ	585-1423	Yellow	14	20	530	588	5.49	5.35	4.25
392702CJ	585-1225	Red	28	4.5	350	625	5.79	5.65	4.48
392711CJ	585-1325	Green	28	4.5	300	525	5.49	5.35	4.25
392729CJ	585-1425	Yellow	28	4.5	450	588	5.49	5.35	4.25


392690CJ

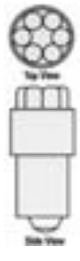


Cluster-Based LED T3 - Miniature Bayonet (BA9s)

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Mfr. Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
392551CJ	585-5223	Red	14	20	7000	630	$12.19	$10.79	$10.39
392569CJ	585-5323	Green	14	20	6500	525	12.19	10.79	10.39
392585CJ	585-5523	Yellow	14	20	7000	588	12.79	12.29	10.87
392593CJ	585-5225	Red	28	15	6500	630	12.35	11.85	10.39
392606CJ	585-5325	Green	28	15	6000	525	11.29	11.01	9.48
392622CJ	585-5525	Yellow	28	15	6000	588	12.95	12.36	10.87
392631CJ	585-5256	Red	120VAC	5.5	6500	625	9.89	9.64	8.31
392649CJ	585-5356	Green	120VAC	5.5	7000	525	9.65	9.41	8.10
392665CJ	585-5556	Yellow	120VAC	5.5	6500	590	11.15	10.87	9.35


392593CJ



Bayonet Based LED T3

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 757, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Mfr. Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
394476CJ	585-4123	Red	14	20	550	630	$7.85	$7.24	$5.28
394484CJ	585-4223	Ultra Red	14	20	550	630	8.39	7.68	5.67
394492CJ	585-4125	Red	28	14	350	630	7.85	7.24	5.28
394505CJ	585-4325	Green	28	14	450	525	7.85	7.24	5.28


394505CJ



LED Panel-Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

141111CJ/141129CJ/141137CJ: Chrome housing
236427CJ/236419CJ: Black nylon housing



Part No.	Mfr. Cross Ref. No.	LED Size	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100	1000
236427CJ	5102H5-12V	T1¾	Green	.53	6.0	6.0	.25"	12V @ 15mA	$1.25	$1.12	$.90	$.68
236419CJ	5102H1-12V	T1¾	Red	.53	6.0	6.0	.25"	12V @ 15mA	1.19	1.07	.86	.64
141111CJ	L922SRD	T1	Red	.56	.34	.25	.23"	12V @ 20mA	.79	.60	.52	.45
141129CJ	L913RD	T1	Red	.56	.39	.32	.24"	12V @ 20mA	1.09	.81	.69	.61
141137CJ	L917RD	T1¾	Red	.70	.55	.47	.31"	12V @ 20mA	.89	.79	.71	.55

Incandescent Panel Mount Lamps

Quantity SAVE

- 215781CJ/215790CJ/215773CJ: wire length - 3.9" (100mm)
- 215749CJ/215757CJ/215765CJ: wire length - 4.9" (125mm)
- 215714CJ/215722CJ/215731CJ: solder terminals - 0.196" (5mm)



Part No.	Mfr. Cross Ref. No.	Fig.	Voltage	Color	Mounting Hole	1	10	100
215773CJ	R9-46B-W100-12V-R	1	12	Red	1/2" (13mm)	$1.79	$1.61	$1.20
215781CJ	R9-46B-W100-12V-Y	1	12	Yellow	1/2" (13mm)	1.65	1.45	1.19
215790CJ	R9-46B-W100-12V-G	1	12	Green	1/2" (13mm)	1.79	1.61	1.20
215749CJ	R9-55B-W130-12V-R	2	12	Red	9/32" (7mm)	1.79	1.59	1.35
215757CJ	R9-55B-W130-12V-Y	2	12	Yellow	9/32" (7mm)	1.65	1.45	1.19
215765CJ	R9-55B-W130-12V-G	2	12	Green	9/32" (7mm)	1.79	1.59	1.35
215714CJ	R9-71B-05-12V-R	3	12	Red	5/8" (16mm)	1.79	1.61	1.20
215722CJ	R9-71B-05-12V-Y	3	12	Yellow	5/8" (16mm)	1.65	1.45	1.19
215731CJ	R9-71B-05-12V-G	3	12	Green	5/8" (16mm)	1.79	1.61	1.20

Cluster-Type T1¾ LED Lamps

- Cluster-type red/green T1¾ LEDs
- Lens: water clear • Common anode
- 660nm for red/570nm for green
- 3 lead wires

150914CJ: 50 Cluster (30 green/20 red) **150922CJ: 14 Cluster** (8 green/6 red)



Part No.	Product No.	Vf @ If	mcd @ mA	Lead Wire	Mounting Hole Dia.	Dimensions (Dia." x L")	Pricing 1	10	100
150914CJ	LCR5250A-79	20.5V @ 40mA	12,000 @ 40	16"	M4	2.07 x 1.98	$13.19	$11.99	$11.35
150922CJ	LCR2614B-79	10V @ 20mA	1950 @ 20	7"	M3	1.02 x 1.51	4.95	4.21	3.16

Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

215802CJ: Red
215811CJ: Yellow
215829CJ: Green



Part No.	Mfr. Cross Ref. No.	1	10	100
215802CJ	R9-71N-05-120V-R	$1.79	$1.59	$1.35
215811CJ	R9-71N-05-120V-Y	1.79	1.59	1.35
215829CJ	R9-71N-05-120V-G	1.79	1.59	1.35

Miniature Fluorescent Lamps

Add floures-cent color to your projects, computer case, car and other displays with these economical lights. Now you can easily and affordably mount these 4" light tubes to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V – 800V output needed by lights.

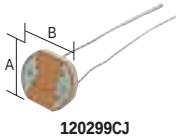


Part No.	Prod. No.	Description	1	10	25
239610CJ	FLW1	White light	$9.95	$8.95	$7.95
239572CJ	FLB1	Blue light	9.95	8.95	7.95
239581CJ	FLBL1	Black light	9.95	8.95	7.95
239628CJ	FLY1	Yellow light	9.95	8.95	7.95
239601CJ	FLP1	Pink light	9.95	8.95	7.95
239599CJ	FLG1	Green light	9.95	8.95	7.95
239636CJ	FLPS1	12VDC PS	9.95	8.95	7.95

CdS Photocells

- Applications include: auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers
- Generate variable signal based on detection of light levels • Soldering: 230°C for 3 seconds • Operating temperature: -30°C to +70°C • Cadmium Sulfide (CdS)

SALE



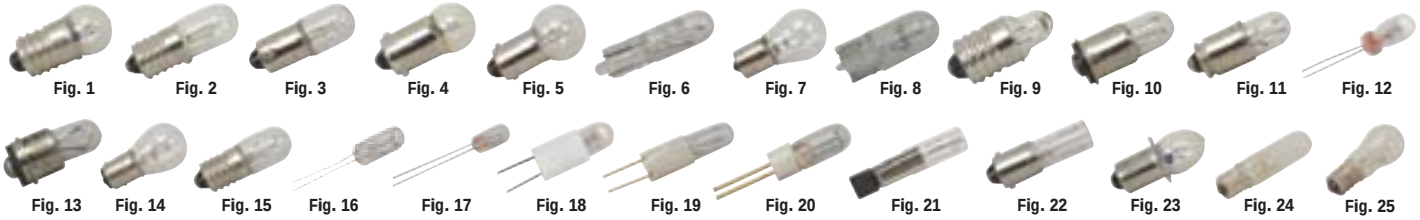
120299CJ


202438CJ

Part No.	Mfr. Cross Ref. No.	Rating Vp	mW	Resistance (Ω) Dark	Light	Size (inches) A	B	Lead Spacing (inches)	Lead Length (inches)	Pricing 1	10	100	1000
136055CJ	CDST08	50	200	100k	10k	0.40	0.44	0.30	1.50	$.89	$.80	$.69	$.52
202366CJ	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	1.69	1.52	1.22	.91
120310CJ	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.45	1.20	1.09	.99
202374CJ	CDS0029006	150	90	5M	80k	0.14	0.17	0.10	1.02	1.65	1.45	1.16	.87
202391CJ	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	1.09
202382CJ	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.34	1.21	.99
202420CJ	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	1.55	1.35	1.25	1.05
202403CJ	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.49	1.35	1.19	1.09
202411CJ	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	.69	.65	.59	.55
202438CJ	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.34	1.07	.80
120301CJ	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.79	1.59	1.45	1.29
120299CJ	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.29
202454CJ	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.69	1.55	1.35	1.15

Committed to You

We are committed to providing you with the best service in the industry.



Incandescent Lamps

✳ Prepackaged: order in increments of 5, 10 or 100

Part No.	Mfr. Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing 1	5	10	100
209381CJ	13	1	G3 1/2 miniature screw	3.7	.98	$.79	$.75	$.69	$.59
209390CJ	14	1	G3 1/2 miniature screw	2.47	.50	.55	.52	.49	.45
209402CJ	40	2	T3 1/4 miniature screw	6.3	.50	.35	.29	.19	.15
209411CJ	44	3	T3 1/4 miniature bayonet	6.3	.90	✳	.22	.17	.13
209429CJ	46	2	T3 1/4 miniature screw	6.3	.90	.45	.37	.32	.27
209437CJ	47	3	T3 1/4 miniature bayonet	6.3	.50	✳	.22	.17	.13
209445CJ	50	1	G3 1/2 miniature screw	7.5	1.0	.59	.54	.49	.44
210403CJ	51	4	G3 1/2 miniature bayonet	7.5	1.0	.42	.35	.29	.24
209453CJ	53	4	G3 1/2 miniature bayonet	14.4	1.0	.49	.44	.39	.29
210411CJ	55	5	G4 1/2 miniature bayonet	7.0	2.0	✳	.20	.14	.09
209461CJ	73	6	T1 3/4 wedge	14.0	.30	✳	.24	.19	.16
209470CJ	85	6	T1 3/4 wedge	28.0	.30	✳	.24	.21	.17
209488CJ	86	6	T1 3/4 wedge	6.3	.40	✳	.24	.19	.15
209496CJ	93	7	S-8 sngl contact bayonet	12.8	15.0	.59	.54	.49	.44
209509CJ	161	8	T3 1/4 wedge	14.0	1.0	✳	.25	.19	.15
209517CJ	168	8	T3 1/4 wedge	14.0	3.0	✳	.24	.19	.14
209525CJ	194	8	T3 1/4 wedge	14.0	2.0	✳	.24	.19	.14
209533CJ	222	9	GTL-3 miniature screw	2.25	—	✳	.25	.23	.208
209541CJ	259	8	T3 1/4 wedge	6.3	.65	✳	.24	.19	.16
209550CJ	313	3	T3 1/4 miniature bayonet	28.0	3.5	✳	.25	.19	.16
209568CJ	327	10	T1 3/4 midget flange	28.0	.34	.35	.29	.24	.22
209576CJ	328	10	T1 3/4 midget flange	6.0	.60	.49	.44	.39	.34
209584CJ	330	10	T1 3/4 midget flange	14.0	.50	.45	.39	.34	.29
209592CJ	334	11	T1 3/4 midget groove	28.0	.34	.45	.39	.35	.29
209605CJ	335	15	T1 3/4 midget screw	28.0	.34	.49	.44	.37	.275
209613CJ	344	10	T1 3/4 midget flange	10.0	.002	.99	.89	.76	.57
209621CJ	345	10	T1 3/4 midget flange	6.0	.03	.59	.53	.45	.337
209630CJ	370	10	T1 3/4 midget flange	18.0	.15	1.09	.98	.83	.62
209648CJ	376	10	T1 3/4 midget flange	28.0	.34	.59	.49	.39	.29
209656CJ	379	11	T1 3/4 midget groove	6.3	.40	.69	.59	.49	.39
209664CJ	381	10	T1 3/4 midget flange	6.3	.40	.49	.45	.39	.29
209672CJ	382	10	T1 3/4 midget flange	14.0	.30	.61	.56	.49	.363
209681CJ	385	10	T1 3/4 midget flange	28.0	.15	.61	.55	.47	.36
209699CJ	386	11	T1 3/4 midget groove	14.0	.30	.45	.39	.33	.27
209701CJ	387	10	T1 3/4 midget flange	28.0	.30	.44	.37	.25	.23
209710CJ	388	11	T1 3/4 midget groove	28.0	.30	.39	.35	.29	.25
209728CJ	394	10	T1 3/4 midget flange	12.0	.12	.61	.55	.47	.35
209736CJ	656	8	T3 1/4 wedge .06A	28.0	.62	✳	.24	.19	.15
209752CJ	657	8	T3 1/4 wedge .08A	28.0	.62	✳	.25	.20	.15
202100CJ	683	12	T1 wire terminal	5.0	.05	.49	.39	.35	.28
209761CJ	685	13	T1 sub midget flange	5.0	.05	1.25	.89	.79	.59
209779CJ	715	12	T1 wire terminal	5.0	.15	.91	.82	.70	.52
209787CJ	755	3	T3 1/4 miniature bayonet	6.3	.33	.49	.44	.37	.30
209795CJ	756	3	T3 1/4 miniature bayonet	14.0	.31	.74	.68	.61	.49
209808CJ	757	3	T3 1/4 miniature bayonet	28.0	.62	.42	.35	.32	.27
210438CJ	1156	7	S-8 sngl contact bayonet	12.8	32	.49	.45	.39	.35
210446CJ	1157	14	S-8 double contact index	12.8/14	32/3	.45	.39	.35	.29
209816CJ	1450	4	G3 1/2 miniature bayonet	24.0	.23	.99	.89	.79	.69
209824CJ	1813	3	T3 1/4 miniature bayonet	14.4	.86	.35	.29	.24	.22
209832CJ	1815	3	T3 1/4 miniature bayonet	14.0	1.4	.49	.39	.29	.25
209841CJ	1816	3	T3 1/4 miniature bayonet	13.0	3.0	.35	.29	.24	.19
209859CJ	1818	3	T3 1/4 miniature bayonet	24.0	3.3	.99	.89	.79	.69
209867CJ	1819	3	T3 1/4 miniature bayonet	28.0	.34	✳	.25	.19	.15
209875CJ	1820	3	T3 1/4 miniature bayonet	28.0	1.6	.49	.39	.34	.24
209883CJ	1821	15	T3 1/4 screw	28.0	3.4	.99	.89	.79	.69
209891CJ	1822	3	T3 1/4 miniature bayonet	36.0	2.1	.49	.39	.29	.25
209904CJ	1829	3	T3 1/4 miniature bayonet	28.0	1.0	.35	.29	.24	.19

Incandescent Lamps (Continued)

✳ Prepackaged: order in increments of 5, 10 or 100

Part No.	Mfr. Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing 1	5	10	100
209912CJ	1835	3	T3 1/4 miniature bayonet	55.0	1.1	$.61	$.49	$.36	$.27
209921CJ	1847	3	T3 1/4 miniature bayonet	6.3	.38	.49	.39	.29	.24
209939CJ	1850	3	T3 1/4 miniature bayonet	5.0	.25	.56	.49	.36	.30
209947CJ	1864	3	T3 1/4 miniature bayonet	28.0	3.0	.68	.49	.36	.27
209955CJ	1866	3	T3 1/4 miniature bayonet	6.3	.65	.65	.59	.52	.39
209963CJ	1891	3	T3 1/4 min. bayonet .24A	14.0	2.0	.49	.39	.29	.19
209971CJ	1893	3	T3 1/4 min. bayonet .33A	14.0	2.0	.49	.39	.29	.24
141073CJ	2182	16	T1 3/4 wire terminal	14.0	.30	.49	.44	.39	.34
141065CJ	2200	16	T1 3/4 wire terminal	5.0	.05	.59	.54	.49	.44
141057CJ	6833	17	T 3/4 wire terminal	5.0	.05	1.29	1.16	.87	.78
209998CJ	7219	12	T1 wire terminal	12.0	.15	.35	.29	.25	.19
210008CJ	7328	18	T1 3/4 bi-pin	6.0	.60	.89	.79	.69	.59
210016CJ	7335	10	T1 3/4 midget flange	5.0	.15	.69	.59	.49	.39
210024CJ	7341	10	T1 3/4 midget flange	28.0	.65	.79	.71	.60	.45
141006CJ	7361	18	T1 3/4 bi-pin	5.0	.05	.99	.89	.79	.69
210032CJ	7382	18	T1 3/4 bi-pin	14.0	.30	.61	.49	.44	.33
210041CJ	7387	18	T1 3/4 bi-pin	28.0	.30	.61	.56	.49	.36
210059CJ	7632	19	T1 1/4 bi-pin	28.0	.32	1.29	.99	.89	.67
210067CJ	7683	20	T1 bi-pin	5.0	.05	1.19	1.07	.91	.68
210075CJ	7715	20	T1 bi-pin	5.0	.15	1.19	.99	.89	.79
210083CJ	7839	20	T1 bi-pin	28.0	.15	1.49	1.24	1.11	.83
210227CJ	6PSB	21	T2 tel. slide base type 5	6.0	550	~~$.79~~ .63	.57	.48	.36
309673CJ	6S6	25	S6 candelabra	120	—	.84	.80	.76	.57
210112CJ	12ESB	21	T2 tel. slide base type 5	12.0	650	~~$.69~~ .54	.49	.41	.34
210121CJ	12PSB	21	T2 tel. slide base type 5	12.0	2000	~~$.69~~ .54	.49	.41	.34
309681CJ	20T6 1/2	24	T6 1/2 20W intermediate	120	—	1.69	1.59	1.55	1.16
210139CJ	24ESB	21	T2 tel. slide base type 5	24.0	850	~~$.69~~ .54	.49	.41	.34
210147CJ	24MB	22	T2 miniature bayonet	24.0	3000	.99	.89	.76	.57
210155CJ	24PSB	21	T2 tel. slide base type 5	24.0	3000	~~$.59~~ .54	.49	.41	.34
210163CJ	28ESB	21	T2 tel. slide base type 5	28.0	1500	~~$.79~~ .69	.62	.53	.39
210171CJ	28MB	22	T2 miniature bayonet	28.0	1600	1.09	.98	.83	.62
210180CJ	28PSB	21	T2 tel. slide base type 5	28.0	1600	.69	.62	.53	.395
210198CJ	48PSB	21	T2 tel. slide base type 5	48.0	1800	.89	.80	.68	.51
210201CJ	60MB	22	T2 miniature bayonet	60.0	2200	1.09	.98	.83	.62
210219CJ	60PSB	21	T2 tel. slide base type 5	60.0	2200	.69	.59	.55	.49
210091CJ	120MB	22	T2 miniature bayonet	120.0	1200	.86	.81	.74	.61
210104CJ	120PSB	21	T2 tel. slide base type 5	120.0	1200	.69	.65	.59	.55
210340CJ	PR2	23	B3 1/2 sngl cont. mini flange	2.38	.80	✳	.24	.20	.15
210358CJ	PR3	23	B3 1/2 sngl cont. mini flange	3.57	1.5	✳	.24	.20	.15
210366CJ	PR4	23	B3 1/2 sngl cont. mini flange	2.33	.40	✳	.24	.20	.15
210374CJ	PR6	23	B3 1/2 sngl cont. mini flange	2.47	.45	✳	.24	.20	.15



Neon Lamps

✳ Prepackaged: order in increments of 5, 10 or 100

Part No.	Mfr. Cross Ref. No.	Fig.	Description	Voltage	Pricing 1	5	10	100
27351CJ	A1A (NE-2)	1	Wire terminal .6mA	65-120	$.42	$.35	$.31	$.26
210243CJ	A1B	1	Wire terminal .3mA	65-120	.34	.28	.25	.24
210251CJ	A1C	1	Wire terminal 1.2mA	65-120	.45	.39	.29	.25
210260CJ	A9A (NE-2E)	1	Wire terminal .7mA	65-120	.33	.29	.25	.19
210278CJ	B1A (NE-51)	2	T3 1/4 miniature bayonet	65-120	.79	.75	.69	.59
210286CJ	B2A (NE-51H)	2	T3 1/4 miniature bayonet	65-120	.86	.74	.61	.49
210294CJ	B7A (NE-45)	3	T4 1/2 candelabra screw	65-120	3.99	3.49	2.99	2.49
210307CJ	B9A (NE-48)	4	T4 1/2 D.C. bayonet	65-120	2.99	2.69	2.29	1.71
210315CJ	C2A (NE-2H)	1	Wire terminal	65-120	.45	.39	.35	.26

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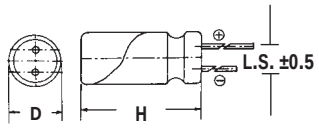
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JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%)





Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater

† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

A Jameco EXCLUSIVE

Quantity SAVE

SALE

85°C – General Purpose

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
330464CJ	RA0.47/50	0.47	50V	5 x 11 x 2.0	✳	$.045	$.039	$.03
330536CJ	RA.47/160	0.47	160V	5 x 11 x 2.0	✳	.151	.103	.07
330430CJ	RA1/25	1	25V	5 x 11 x 2.0	✳	.045	.039	.03
94160CJ	5R1/50	1	50V	4 x 5 x 1.5	✳	.12	.08	.05
29832CJ	R1/50	1	50V	5 x 11 x 2.0	✳	.063	.053	.042
330544CJ	RA1/160	1	160V	6 x 11 x 2.5	✳	.047	.045	.04
330587CJ	RA1/250	1	250V	6 x 11 x 2.5	✳	.065	.06	.053
330405CJ	RA2.2/16	2.2	16V	5 x 11 x 2.0	✳	.045	.039	.03
93730CJ	R2.2/50	2.2	50V	5 x 11 x 2.0	✳	.038	.033	.026
199021CJ	R2.2J/100	2.2	100V	5 x 11 x 2.0	✳	.038	.032	.024
135184CJ	R3.3/50	3.3	50V	5 x 11 x 2.0	✳	.05	.04	.03
330413CJ	RA4.7/16	4.7	16V	5 x 11 x 2.0	✳	.045	.04	.03
330448CJ	RA4.7/25	4.7	25V	5 x 11 x 2.0	✳	.045	.039	.03
31001CJ	R4.7/50	4.7	50V	6 x 11 x 2.0	✳	.042	.037	.029
330595CJ	RA4.7/250	4.7	250V	8 x 11 x 3.5	✳	.112	.094	.083
198838CJ	R10J/16	10	16V	5 x 11 x 2.0	✳	.045	.03	.025
94211CJ	5R10/25	10	25V	4 x 5 x 1.5	✳	.13	.08	.05
94220CJ	5R10/35	10	35V	5 x 5 x 2.0	✳	.09	.07	.065
94369CJ	7R10/35	10	35V	5 x 7 x 2.0	✳	.11	.06	.04
29892CJ	R10/50	10	50V	5 x 11 x 2.0	✳	.067	.055	.045
330481CJ	RA10/63	10	63V	5 x 11 x 2.0	✳	.056	.047	.038
199048CJ	R10J/100	10	100V	6 x 11 x 2.5	✳	.07	.06	.05
330552CJ	RA10/160	10	160V	8 x 11 x 3.5	✳	.122	.114	.093
330608CJ	RA10/250	10	250V	10 x 15 x 5.0	✳	.16	.133	.114
330632CJ	RA10/350	10	350V	10 x 20 x 5.0	.25	.226	.20	.171
330641CJ	RA10/450	10	450V	13 x 21 x 5.0	.46	.414	.333	.241
198846CJ	R22J/16	22	16V	5 x 11 x 2.0	✳	.04	.035	.026
189918CJ	R22J/25	22	25V	5 x 11 x 2.0	✳	.039	.033	.025
198942CJ	R22J/35	22	35V	5 x 11 x 2.0	✳	.029	.026	.023
93738CJ	R22/50	22	50V	5 x 11 x 2.0	✳	.062	.056	.039
199056CJ	R22J/100	22	100V	6 x 11 x 2.5	✳	.15	.09	.06
330659CJ	RA22/450	22	450V	16 x 26 x 7.5	.58	.517	.456	.39
198854CJ	R33J/16	33	16V	5 x 11 x 2.0	✳	.038	.034	.026
198926CJ	R33J/25	33	25V	5 x 11 x 2.0	✳	.037	.032	.024
93746CJ	R33/50	33	50V	6 x 11 x 2.5	✳	.055	.05	.045
199064CJ	R33J/100	33	100V	8 x 11 x 3.5	✳	.089	.08	.072
330667CJ	RA33/450	33	450V	16 x 30 x 7.5	1.09	.97	.86	.62
135302CJ	R47/10	47	10V	5 x 12 x 2.0	✳	.04	.03	.025
198862CJ	R47J/16	47	16V	5 x 11 x 2.0	✳	.04	.032	.023
93754CJ	R47/25	47	25V	5 x 11 x 2.0	✳	.053	.037	.029
198951CJ	R47J/35	47	35V	5 x 11 x 2.0	✳	.05	.04	.03
31115CJ	R47/50	47	50V	6 x 11 x 2.5	✳	.067	.056	.05
330499CJ	RA47/63	47	63V	8 x 12 x 3.5	✳	.089	.075	.064
199072CJ	R47J/100	47	100V	10 x 12 x 5.0	✳	.15	.13	.10
330561CJ	RA47/160S	47	160V	10 x 20 x 5.0	.34	.31	.276	.238
330616CJ	RA47/250	47	250V	13 x 25 x 5.0	.57	.508	.447	.388
330675CJ	RA47/450	47	450V	18 x 30 x 7.5	1.75	1.21	.92	.70
207812CJ	R100/10	100	10V	5 x 11 x 2.0	✳	.08	.06	.05
330421CJ	RA100/16	100	16V	5 x 11 x 2.0	✳	.056	.055	.048

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
94289CJ	5R100/16	100	16V	6 x 5 x 2.5	✳	$.15	$.12	$.09
94431CJ	7R100/16	100	16V	6 x 7 x 2.5	✳	.09	.081	.069
93762CJ	R100/25	100	25V	6 x 11 x 2.5	✳	.078	.056	.039
198969CJ	R100J/35	100	35V	6 x 11 x 2.5	✳	.07	.06	.05
29963CJ	R100/50	100	50V	8 x 11 x 3.5	✳	.078	.067	.056
330501CJ	RA100/63	100	63V	8 x 14 x 3.5	✳	.122	.114	.095
330528CJ	RA100/100	100	100V	10 x 20 x 5.0	.33	.282	.266	.19
330579CJ	RA100/160S	100	160V	13 x 25 x 5.0	.56	.498	.437	.371
330624CJ	RA100/250	100	250V	16 x 30 x 7.5	1.25	1.09	.95	.68
330683CJ	RA100/450	100	450V	22 x 42 x 10.5	3.39	3.03	2.08	1.56
135124CJ	7R220/10	220	10V	6 x 7 x 2.5	.26	.23	.19	.142
198871CJ	R220J/16	220	16V	6 x 11 x 2.5	✳	.11	.07	.06
30497CJ	R220/25	220	25V	8 x 11 x 3.5	✳	.08	.06	.05
93771CJ	R220/35	220	35V	8 x 12 x 5.0	✳	.09	.08	.07
93779CJ	R220/50	220	50V	10 x 15 x 5.0	✳	.167	.133	.10
330510CJ	RA220/63	220	63V	10 x 17 x 5.0	.27	.235	.219	.181
199081CJ	R220J/100	220	100V	12 x 25 x 5.0	.52	.47	.37	.28
198890CJ	R330J/16	330	16V	8 x 11 x 3.5	✳	.14	.07	.06
93797CJ	R330/25	330	25V	8 x 12 x 3.5	✳	.144	.10	.089
198977CJ	R330J/35	330	35V	10 x 12 x 5.0	.20	.18	.144	.108
330472CJ	RA330/50	330	50V	10 x 20 x 5.0	.26	.235	.209	.181
199099CJ	R330J/100	330	100V	12 x 25 x 5.0	.60	.54	.43	.32
330384CJ	RA470/10	470	10V	8 x 11 x 3.5	✳	.103	.083	.067
93810CJ	R470/16	470	16V	8 x 11 x 3.5	✳	.11	.103	.099
31182CJ	R470/25	470	25V	8 x 14 x 5.0	✳	.133	.111	.10
93818CJ	R470/35	470	35V	10 x 16 x 5.0	✳	.17	.15	.13
93826CJ	R470/50	470	50V	10 x 20 x 5.0	.32	.31	.21	.144
199101CJ	R470J/100	470	100V	16 x 25 x 7.5	1.15	.78	.69	.58
330456CJ	RA680/25S	680	25V	8 x 16 x 3.5	.97	.87	.78	.70
330392CJ	RA1000/10	1000	10V	8 x 14 x 3.5	✳	.132	.114	.091
30016CJ	R1000/16	1000	16V	10 x 16 x 5.0	✳	.16	.14	.12
93834CJ	R1000/25	1000	25V	10 x 20 x 5.0	✳	.25	.23	.18
286045CJ	Q399L	1000	35V	12 x 20 x 5.0	.50	.46	.41	.33
93842CJ	R1000/50	1000	50V	13 x 25 x 5.0	.58	.51	.455	.38
302578CJ	RS1000/50	1000	50V	18 x 21 x 7.5	.45	.40	.36	.31
199110CJ	R1000J/100	1000	100V	18 x 40 x 7.5	2.29	2.06	1.65	1.24
133146CJ	R2200/16	2200	16V	10 x 20 x 5.0	.36	.31	.267	.244
30534CJ	R2200/25	2200	25V	13 x 21 x 5.0	.61	.545	.444	.333
198985CJ	R2200J/35	2200	35V	16 x 25 x 7.5	1.39	1.25	.99	.74
198897CJ	R3300J/16	3300	16V	12 x 25 x 5.0	.49	.39	.33	.29
30892CJ	R3300/25	3300	25V	13 x 29 x 5.0	.79	.72	.545	.48
198993CJ	R3300J/35	3300	35V	16 x 35 x 7.5	.87	.77	.67	.57
199013CJ	R3300J/50	3300	50V	18 x 35 x 7.5	2.15	1.94	1.55	1.16
198900CJ	R4700J/16	4700	16V	16 x 25 x 7.5	.79	.71	.57	.43
93851CJ	R4700/25	4700	25V	16 x 31 x 7.5	1.10	.94	.78	.61
199005CJ	R4700J/35	4700	35V	18 x 35 x 7.5	1.35	1.25	1.15	1.05
163302CJ	R4700/50	4700	50V	22 x 42 x 10	2.25	1.99	1.67	1.45
31511CJ	R6800/16	6800	16V	16 x 26 x 7.5	1.10	.87	.76	.66
198934CJ	R6800J/25	6800	25V	18 x 35 x 7.5	1.59	1.43	1.14	.86

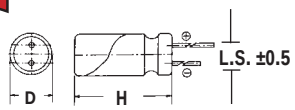
105°C – HT Type General Purpose

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.		Pricing 1	10	100	500
158481CJ	R0.47B100	0.47	100V	5 x 11 x 2.0	✳	$.05	$.04	$.03	
330771CJ	RB1/50	1	50V	5 x 11 x 2.0	✳	.056	.046	.036	
158490CJ	R1B100	1	100V	5 x 11 x 2.0	✳	.06	.05	.04	
330835CJ	RB1/160	1	160V	5 x 11 x 2.0	✳	.078	.067	.055	
330780CJ	RB4.7/50	4.7	50V	5 x 11 x 2.0	✳	.056	.046	.036	
330851CJ	RB4.7/250	4.7	250V	8 x 11 x 3.5	✳	.14	.122	.105	
330691CJ	RB10/16	10	16V	5 x 11 x 2.0	✳	.039	.034	.029	
330798CJ	RB10/50	10	50V	5 x 11 x 2.0	✳	.056	.046	.036	
158529CJ	R10B100	10	100V	6 x 11 x 2.5	✳	$.08	$.07	$.055	
330843CJ	RB10/160	10	160V	8 x 11 x 3.5	✳	.149	.132	.114	
330860CJ	RB10/250	10	250V	10 x 17 x 5.0	.22	.207	.181	.162	
207870CJ	R22B/25	22	25V	5 x 11 x 2.0	✳	.047	.037	.028	
158326CJ	R22B35	22	35V	5 x 11 x 2.0	✳	.07	.05	.03	
330801CJ	RB22/50	22	50V	6 x 11 x 2.5	✳	.067	.055	.044	
158246CJ	R47B25	47	25V	5 x 11 x 2.0	✳	.06	.048	.036	
330819CJ	RB47/50	47	50V	6 x 11 x 2.5	✳	.102	.08	.057	

Aluminum Radial-Lead Electrolytic Capacitors (±20%)



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

105°C – HT Type General Purpose (Continued)

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
330704CJ	RB100/16	100	16V	6 x 11 x 2.5	✳	$.067	$.055	$.044
330739CJ	RB100/25	100	25V	6 x 11 x 2.5	✳	.067	.057	.048
330747CJ	RB100/35	100	35V	8 x 11 x 3.5	✳	.084	.08	.074
158393CJ	R100B50	100	50V	8 x 11 x 3.5	✳	.09	.07	.055
330827CJ	RB100/63	100	63V	10 x 13 x 5.0	✳	.149	.132	.114
207845CJ	R180/16	180	16V	6 x 15 x 2.5	✳	.034	.031	.028
311757CJ	R220B10	220	10V	6 x 11 x 2.5	.25	.191	.143	.102
158262CJ	R220B25	220	25V	8 x 11 x 3.5	✳	.12	.09	.07
330755CJ	RB220/35S	220	35V	8 x 16 x 3.5	✳	.149	.132	.114

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
158406CJ	R220B50	220	50V	10 x 12 x 5.0	$.34	$.31	$.24	$.18
330712CJ	RB330/16	330	16V	8 x 11 x 3.5	✳	.102	.08	.057
158203CH	R470B16	470	16V	8 x 11 x 3.5	✳	.12	.10	.09
158289CJ	R470B25	470	25V	10 x 12 x 3.5	✳	.15	.12	.10
330763CJ	RB470/35	470	35V	10 x 15 x 5.0	.28	.244	.219	.152
158465CJ	R470B63	470	63V	12 x 20 x 5.0	.35	.317	.282	.234
158297CJ	R1000B25	1000	25V	10 x 20 x 5.0	.35	.29	.25	.19
330721CJ	RB1000/16	1000	25V	10 x 20 x 5.0	.23	.216	.19	.171
158377CJ	R1000B35	1000	35V	10 x 20 x 5.0	.49	.44	.35	.26
158431CJ	R2200B50	2200	50V	16 x 35 x 7.5	.99	.89	.71	.53

*Other Manufacturers — Great Deals**

Quantity SAVE

85°C – General Purpose

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
29831CJ	R1/50	1	50V	5 x 11 x 2.0	✳	$.057	$.048	$.038
93729CJ	R2.2/50	2.2	50V	5 x 11 x 2.0	✳	.034	.03	.023
135183CJ	R3.3/50	3.3	50V	5 x 11 x 2.0	✳	.045	.038	.029
31000CJ	R4.7/50	4.7	50V	5 x 11 x 2.0	✳	.038	.033	.026
29891CJ	R10/50	10	50V	5 x 11 x 2.0	✳	.06	.05	.04
93737CJ	R22/50	22	50V	5 x 11 x 2.0	✳	.06	.05	.035
93745CJ	R33/50	33	50V	5 x 11 x 2.0	✳	.05	.045	.04
135301CJ	R47/10	47	10V	5 x 12 x 2.0	✳	.036	.031	.023
93753CJ	R47/25	47	25V	5 x 11 x 2.0	✳	.048	.033	.026
31114CJ	R47/50	47	50V	6 x 11 x 2.5	✳	.06	.05	.045
207811CJ	R100/10	100	10V	5 x 11 x 2.0	✳	.072	.054	.045
93761CJ	R100/25	100	25V	6 x 11 x 2.5	✳	.07	.05	.035
29962CJ	R100/50	100	50V	8 x 11 x 3.5	✳	.07	.06	.05
30496CJ	R220/25	220	25V	8 x 11 x 3.5	✳	.08	.06	.05
93770CJ	R220/35	220	35V	10 x 12 x 5.0	✳	.09	.08	.07

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
93778CJ	R220/50	220	50V	10 x 12 x 5.0	✳	$.15	$.12	$.09
198889CJ	R330J/16	330	16V	8 x 11 x 3.5	✳	.126	.076	.057
93796CJ	R330/25	330	25V	10 x 12 x 5.0	✳	.126	.107	.08
93809CJ	R470/16	470	16V	8 x 11 x 3.5	✳	.099	.095	.089
31181CJ	R470/25	470	25V	10 x 12 x 5.0	✳	.12	.10	.09
93817CJ	R470/35	470	35V	10 x 16 x 5.0	✳	.153	.135	.117
93825CJ	R470/50	470	50V	12 x 20 x 5.0	.29	.27	.19	.13
30015CJ	R1000/16	1000	16V	10 x 16 x 5.0	✳	.178	.156	.133
93833CJ	R1000/25	1000	25V	10 x 20 x 5.0	.38	.278	.236	.177
93841CJ	R1000/50	1000	50V	12 x 25 x 5.0	.52	.46	.41	.34
133145CJ	R2200/16	2200	16V	12 x 20 x 5.0	.32	.28	.24	.22
30533CJ	R2200/25	2200	25V	12 x 25 x 5.0	.55	.49	.40	.30
30891CJ	R3300/25	3300	25V	16 x 25 x 7.5	.71	.65	.49	.43
93850CJ	R4700/25	4700	25V	16 x 31 x 7.5	.99	.85	.70	.53
163301CJ	R4700/50	4700	50V	22 x 42 x 10.0	1.99	1.79	1.50	1.31
31510CJ	R6800/16	6800	16V	16 x 35 x 7.5	1.09	.98	.78	.59

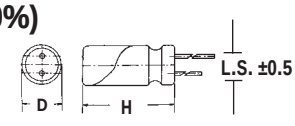
* Capacitor dimensions and styles may vary.

Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)

85°C – General Purpose



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
330931CJ	RN0.47/50	0.47	50V	5 x 11 x 2.0	$.28	$.252	$.19	$.152
330940CJ	RN1/50	1	50V	5 x 11 x 2.0	✳	.159	.085	.076
331053CJ	RN1/100	1	100V	5 x 11 x 2.0	✳	.169	.086	.076
330958CJ	RN2.2/50	2.2	50V	5 x 11 x 2.0	✳	.159	.085	.076
331029CJ	RN2.2/63	2.2	63V	5 x 11 x 2.0	.28	.243	.219	.197
331061CJ	RN2.2/100	2.2	100V	5 x 11 x 2.0	✳	.169	.086	.076
330966CJ	RN3.3/50	3.3	50V	5 x 11 x 2.0	✳	.171	.094	.086
331070CJ	RN3.3/100	3.3	100V	5 x 11 x 2.0	✳	.189	.095	.086
330907CJ	RN4.7/25	4.7	25V	5 x 11 x 2.0	.28	.243	.219	.197
330974CJ	RN4.7/50	4.7	50V	5 x 11 x 2.0	✳	.171	.094	.086
331088CJ	RN4.7/100	4.7	100V	6 x 11 x 2.5	✳	.188	.095	.086
330915CJ	RN10/25	10	25V	5 x 11 x 2.0	.28	.243	.219	.197

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
330982CJ	RN10/50	10	50V	8 x 11 x 3.5	$.22	$.198	$.114	$.105
331096CJ	RN10/100	10	100V	8 x 11 x 3.5	.22	.198	.114	.105
330878CJ	RN22/16	22	16V	5 x 11 x 2.0	.31	.279	.219	.181
330923CJ	RN22/25	22	25V	5 x 11 x 2.0	.32	.288	.259	.233
330991CJ	RN22/50	22	50V	6 x 11 x 2.5	.33	.31	.171	.162
331037CJ	RN22/63	22	63V	8 x 11 x 3.5	.45	.409	.368	.331
331109CJ	RN22/100	22	100V	10 x 15 x 5.0	.33	.297	.171	.162
330886CJ	RN47/16	47	16V	6 x 11 x 2.5	.33	.297	.267	.241
331002CJ	RN47/50	47	50V	8 x 11 x 3.5	.46	.414	.314	.285
331117CJ	RN47/100	47	100V	10 x 20 x 5.0	.46	.414	.314	.285
330894CJ	RN100/16	100	16V	8 x 11 x 3.5	.45	.405	.365	.328
331011CJ	RN100/50	100	50V	10 x 17 x 5.0	.69	.621	.467	.428
331045CJ	RN220/63	220	63V	5 x 11 x 2.0	.69	.62	.465	.428

85°C – Non-Polarized High-Frequency (Horizontal Deflection)

Part No.	Mfr. Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
331125CJ	RN1/25S	1	25V	8 x 11 x 3.5	$.37	$.348	$.186	$.166
331205CJ	RN1/50S	1	50V	8 x 11 x 3.5	.37	.348	.186	.166
331133CJ	RN2.2/25S	2.2	25V	8 x 11 x 3.5	.37	.348	.186	.166
331213CJ	RN2.2/50S	2.2	50V	8 x 11 x 3.5	.37	.348	.186	.166
331141CJ	RN3.3/25S	3.3	25V	8 x 11 x 3.5	.37	.348	.186	.166
331221CJ	RN3.3/50S	3.3	50V	8 x 11 x 3.5	.37	.348	.186	.166
331150CJ	RN4.7/25S	4.7	25V	8 x 11 x 3.5	.37	.348	.186	.166
331230CJ	RN4.7/50S	4.7	50V	8 x 11 x 3.5	.37	.348	.186	.166

Part No.	Mfr. Cross Ref. No.	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
331168CJ	RN5.6/25S	5.6	25V	8 x 11 x 3.5	$.37	$.348	$.186	$.166
331248CJ	RN5.6/50S	5.6	50V	8 x 14 x 3.5	.45	.423	.226	.202
331176CJ	RN6.8/25S	6.8	25V	8 x 11 x 3.5	.37	.348	.186	.166
331256CJ	RN6.8/50S	6.8	50V	8 x 14 x 3.5	.45	.423	.226	.202
331184CJ	RN8.2/25S	8.2	25V	8 x 14 x 3.5	.45	.423	.226	.202
331264CJ	RN8.2/50S	8.2	50V	10 x 15 x 5.0	.58	.548	.293	.262
331192CJ	RN10/25S	10	25V	8 x 14 x 3.5	.45	.423	.226	.202
331272CJ	RN10/50S	10	50V	10 x 15 x 5.0	.58	.548	.293	.262

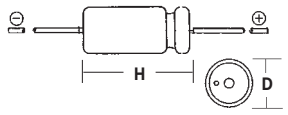
JAMECO ValuePro — A Jameco EXCLUSIVE

Aluminum Axial-Lead Electrolytic Capacitors

General purpose 85°C maximum

Quantity SAVE

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2μA, whichever is greater



†**CROSS REFERENCES: Elna:** RE2; **IC:** RAR; **Marcon:** SEM; **Nichicon:** LB/VX; **Rubycon:** TWSS; **Sprague:** 501D/513D; **UCC:** SME; **Panasonic:** SU

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
10867CJ	A1/50	1	50V	5 x 13	✳	$.15	$.115	$.09
93570CJ	A2.2/50	2.2	50V	6 x 13	✳	.11	.10	.09
199419CJ	A3.3J/50	3.3	50V	6 x 12	✳	.197	.143	.105
11077CJ	A4.7/50	4.7	50V	6 x 13	✳	.18	.13	.11
331301CJ	AB4.7/63	4.7	63V	6 x 12	.23	.197	.143	.105
199427CJ	A6.8J/50	6.8	50V	6 x 12	✳	.197	.143	.105
199144CJ	A10J/16	10	16V	6 x 12	✳	.20	.14	.10
199259CJ	A10J/25	10	25V	5 x 12	✳	.174	.15	.139
93578CJ	A10/35	10	35V	6 x 13	✳	.133	.107	.08
10883CJ	A10/50	10	50V	6 x 12	✳	.167	.133	.089
331310CJ	AB10/63	10	63V	6 x 12	✳	.15	.128	.105
331424CJ	AB10/450	10	450V	13 x 25	1.25	1.04	.94	.86
199152CJ	A22J/16	22	16V	6 x 12	✳	.197	.143	.105
199267CJ	A22J/25	22	25V	6 x 12	✳	.197	.141	.105
10998CJ	A22/50	22	50V	6 x 12	✳	.19	.14	.10
331328CJ	AB22/63	22	63V	8 x 12	.22	.218	.173	.154
331387CJ	AB22/160	22	160V	10 x 17	.80	.68	.62	.56
331432CJ	AB22/450	22	450V	16 x 26	1.99	1.66	1.51	1.37
199161CJ	A33J/16	33	16V	6 x 13	✳	.197	.143	.105
199347CJ	A33J/35	33	35V	6.3 x 16	✳	.197	.143	.105
199435CJ	A33J/50	33	50V	6.3 x 16	✳	.197	.143	.105
199179CJ	A47J/16	47	16V	6.3 x 12	✳	.134	.114	.085
135320CJ	A47/25	47	25V	8 x 16	✳	.15	.14	.09
199355CJ	A47J/35	47	35V	6.3 x 16	✳	.197	.143	.105
11106CJ	A47/50	47	50V	8 x 16	✳	.19	.14	.10
331336CJ	AB47/63	47	63V	8 x 16	✳	.171	.16	.13
331361CJ	AB47/100	47	100V	10 x 17	.34	.273	.247	.19
331395CJ	AB47/160	47	160V	13 x 21	.75	.57	.368	.331
331441CJ	AB47/450	47	450V	16 x 30	3.25	2.74	2.49	2.26
199443CJ	A68J/50	68	50V	8 x 15	~~$.25~~ .21	.19	.15	.11
199187CJ	A100J/16	100	16V	6.3 x 16	~~$.27~~ .24	.19	.17	.128
199283CJ	A100J/25	100	25V	8 x 16	.25	.20	.18	.15
10912CJ	A100/50	100	50V	8 x 20	✳	.245	.20	.155
331344CJ	AB100/63	100	63V	10 x 17	.37	.291	.257	.219
331379CJ	AB100/100	100	100V	10 x 20	.85	.73	.57	.47

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
331408CJ	AB100/160	100	160V	16 x 26	$1.79	$1.53	$1.39	$1.26
331416CJ	AB100/250	100	250V	16 x 30	2.45	2.09	1.93	1.80
331299CJ	AB150/50	150	50V	10 x 17	.96	.86	.69	.65
199195CJ	A220J16	220	16V	8 x 16	✳	.235	.20	.15
199291CJ	A220J/25	220	25V	8 x 16	.25	.21	.18	.12
199363CJ	A220J/35	220	35V	10 x 17	.34	.273	.247	.185
11018CJ	A220/50	220	50V	10 x 17	.35	.29	.25	.192
331352CJ	AB220/63	220	63V	10 x 20	.55	.461	.409	.342
199208CJ	A330J/16	330	16V	8 x 16	✳	.235	.20	.15
199371CJ	A330J/35	330	35V	10 x 17	.44	.367	.333	.25
199451CJ	A330J/50	330	50V	13 x 22	.50	.432	.399	.299
199216CJ	A470J/16	470	16V	8 x 16	.34	.273	.245	.184
199312CJ	A470J/25	470	25V	10 x 17	.44	.367	.333	.235
199380CJ	A470J/35	470	35V	10 x 21	.50	.404	.371	.278
11122CJ	A470/50	470	50V	13 x 21	.59	.49	.42	.34
199460CJ	A680J/50	680	50V	16 x 25	.85	.73	.57	.428
331281CJ	AB1000/10	1000	10V	10 x 17	.51	.414	.38	.304
93632CJ	A1000/16	1000	16V	10 x 20	.51	.46	.42	.40
10955CJ	A1000/25	1000	25V	10 x 20	.66	.54	.49	.38
93650CJ	A1000/35	1000	35V	13 x 25	.94	.83	.655	.545
147257CJ	A1000/50	1000	50V	16 x 25	.88	.77	.66	.545
213356CJ	A1000/50-1✪	1000	50V	22 x 41	.69	.59	.55	.49
11034CJ	A2200/16	2200	16V	13 x 21	.88	.79	.72	.655
199321CJ	A2200J/25	2200	25V	16 x 28	1.09	.90	.78	.59
93657CJ	A2200/35	2200	35V	16 x 30	1.25	1.10	.99	.85
199478CJ	A2200J/50	2200	50V	18 x 42	2.29	1.93	1.79	1.65
93666CJ	A3300/25	3300	25V	16 x 32	1.10	.99	.88	.77
199398CJ	A3300J/35	3300	35V	18 x 37	3.39	2.93	2.29	1.72
199486CJ	A3300J/50	3300	50V	22 x 43	4.25	3.56	2.94	2.21
199232CJ	A4700J/16	4700	16V	16 x 30	1.45	1.30	1.17	1.06
93674CJ	A4700/25	4700	25V	16 x 30	1.69	1.49	1.29	.99
199401CJ	A4700J/35	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158810CJ	A4700A50	4700	50V	25 x 43	2.79	2.29	2.09	1.79
199241CJ	A6800J/16	6800	16V	16 x 33	2.59	2.33	1.86	1.40
199339CJ	A6800J/25	6800	25V	18 x 40	2.35	2.12	1.69	1.27
93682CJ	A10000/16	10000	16V	16 x 33	2.49	2.28	1.83	1.32

*Other Manufacturers — Great Deals**

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
10866CJ	A1/50	1	50V	5 x 13	✳	$.135	$.104	$.078
93569CJ	A2.2/50	2.2	50V	6 x 13	✳	.125	.106	.08
11076CJ	A4.7/50	4.7	50V	6 x 13	✳	.162	.117	.099
93577CJ	A10/35	10	35V	6 x 13	✳	.155	.134	.119
10882CJ	A10/50	10	50V	6 x 12	✳	.15	.12	.08
10997CJ	A22/50	22	50V	6 x 12	✳	.17	.126	.09
135319CJ	A47/25	47	25V	8 x 16	✳	.135	.115	.086
11105CJ	A47/50	47	50V	8 x 16	✳	.17	.136	.102
93551CJ	A100/35	100	35V	8 x 16	✳	.21	.17	.13
10911CJ	A100/50	100	50V	8 x 20	✳	.22	.176	.132

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
11017CJ	A220/50	220	50V	10 x 20	$.39	$.32	$.256	$.192
11121CJ	A470/50	470	50V	13 x 31	.53	.44	.38	.31
93631CJ	A1000/16	1000	16V	13 x 27	.46	.41	.38	.36
10954CJ	A1000/25	1000	25V	13 x 31	.59	.49	.44	.34
93649CJ	A1000/35	1000	35V	13 x 26	.85	.75	.59	.49
147256CJ	A1000/50	1000	50V	16 x 31	.79	.71	.57	.43
11033CJ	A2200/16	2200	16V	16 x 40	.79	.71	.65	.59
93665CJ	A3300/25	3300	25V	16 x 32	.99	.89	.79	.69
93673CJ	A4700/25	4700	25V	22 x 39	1.55	1.34	1.16	.89
93681CJ	A10000/16	10000	16V	22 x 51	2.25	2.05	1.85	1.49

*Capacitor dimensions and styles may vary

✪ Blue Part No. = Limited Quantity Available

JAMECO ValuePro — A Jameco EXCLUSIVE

Aluminum Axial-Lead Non-Polarized Electrolytic Capacitors

85°C — General purpose



Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
331521CJ	AN1/50	1	50V	6 x 16	$.35	$.342	$.266	$.209
331635CJ	AN1/100	1	100V	6 x 16	.44	.428	.314	.247
331539CJ	AN2.2/50	2.2	50V	6 x 16	.40	.38	.295	.228
331547CJ	AN3.3/50	3.3	50V	6 x 16	.42	.399	.314	.238
331555CJ	AN4.7/50	4.7	50V	6 x 16	.45	.428	.333	.266
331643CJ	AN4.7/100	4.7	100V	6 x 16	.69	.66	.504	.38
331483CJ	AN10/25	10	25V	6 x 16	.39	.37	.356	.284
331563CJ	AN10/50	10	50V	6 x 16	.57	.542	.418	.333
331651CJ	AN10/100	10	100V	8 x 16	.73	.69	.532	.504
331459CJ	AN22/16	22	16V	6 x 16	.39	.351	.316	.284
331491CJ	AN22/25	22	25V	6 x 16	.43	.387	.348	.313
331571CJ	AN22/50	22	50V	6 x 16	.75	.71	.545	.437
331627CJ	AN22/63	22	63V	8 x 16	.75	.71	.55	.437

Part No.	Mfr. Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
331660CJ	AN22/100	22	100V	10 x 18	$.86	$.77	$.69	$.62
331580CJ	AN33/50	33	50V	8 x 16	.69	.68	.67	.51
331678CJ	AN33/100	33	100V	10 x 20	.87	.83	.67	.51
331504CJ	AN47/25	47	25V	6 x 16	.51	.459	.413	.372
331598CJ	AN47/50	47	50V	8 x 16	.85	.80	.74	.59
331686CJ	AN47/100	47	100V	10 x 21	1.39	1.25	1.13	1.01
331467CJ	AN100/16	100	16V	8 x 16	.53	.477	.429	.386
331512CJ	AN100/25	100	25V	8 x 20	.57	.513	.462	.416
331601CJ	AN100/50	100	50V	10 x 18	.91	.87	.83	.79
331694CJ	AN100/100	100	100V	13 x 25	2.35	2.12	1.91	1.72
331475CJ	AN220/16	220	16V	8 x 20	.75	.68	.61	.55
331619CJ	AN220/50	220	50V	13 x 25	1.39	1.32	.99	.79

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

A Jameco EXCLUSIVE

Snap-Ins!


115422CJ

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

Quantity SAVE

† **CROSS REFERENCES: Aero M**: LP/LPR; **Elna**: LP3/LP4; **Illinois Capacitor**: LBA/LPR; **Mallory**: LPX; **Marcon**: CEAWF; **Nichicon**: LLK/LLQ; **Panasonic**: TS-UP/TS-U; **Phillips** (MEPCO): 3487/3489; **Rubycon**: RSP; **Sprague**: 80D/82D; **United Chemicon**: SMG(VN)/SMH(VN)

Part No.	Mfr. Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100
331838CJ	SNA68/450	68	450V	22 x 30	$2.55	$2.19	$1.26
331926CJ	SNB100/200	100	200V	30 x 40	1.95	1.50	.81
331846CJ	SNA120/450	120	450V	22 x 40	3.09	2.33	1.45
331766CJ	SNA220/200	220	200V	22 x 27	1.89	1.42	.89
331934CJ	SNB220/200	220	200V	22 x 27	2.19	1.81	1.25
331791CJ	SNA220/250	220	250V	22 x 36	2.19	1.65	1.02
332013CJ	SNB220/250	220	250V	22 x 36	1.85	1.75	1.15
331854CJ	SNA220/450	220	450V	25 x 48	4.39	3.31	2.06
203238CJ	SN270/350	270	350V	25 x 40	4.15	3.53	2.65
331774CJ	SNA330/200	330	200V	25 x 35	2.55	1.49	1.29
331942CJ	SNB330/200	330	200V	25 x 30	1.75	1.66	1.39
331803CJ	SNA330/250	330	250V	22 x 36	1.99	1.83	1.21
332021CJ	SNB330/250	330	250V	22 x 36	2.19	2.10	1.35
203246CJ	SN330/400	330	400V	30 x 46	4.69	4.21	2.92
331862CJ	SNA330/450	330	450V	35 x 48	5.99	4.52	2.80
331951CJ	SNB470/200	470	200V	22 x 41	2.39	2.19	1.26
331811CJ	SNA470/250	470	250V	25 x 40	3.05	2.30	1.43
332030CJ	SNB470/250	470	250V	25 x 40	2.35	2.15	1.61
203263CJ	SN470/400/5	470	450V	35 x 51	8.25	7.60	5.69
155890CJ	SN560/200	560	200V	23 x 41	3.19	2.69	1.90
331782CJ	SNA560/200	560	200V	25 x 36	2.99	2.12	1.22
331969CJ	SNB560/200	560	200V	25 x 36	3.35	2.39	1.36
332048CJ	SNA560/250	560	250V	30 x 40	2.95	2.80	1.81
203271CJ	SN680/200/2	680	200V	35 x 25	$2.59	$2.33	$1.74
331977CJ	SNB680/200	680	200V	25 x 40	3.05	2.69	1.55
331820CJ	SNA680/250	680	250V	25 x 48	3.79	2.86	1.77
332056CJ	SNB680/250	680	250V	25 x 48	3.89	3.53	2.03
331985CJ	SNB820/200	820	200V	25 x 48	3.15	2.78	1.73
332064CJ	SNB820/250	820	250V	30 x 48	4.35	4.03	2.50
331993CJ	SNB1000/200	1,000	200V	30 x 40	4.29	3.23	2.00
332072CJ	SNB1000/250	1,000	250V	35 x 50	4.39	4.37	2.71
332005CJ	SNB1500/200	1,500	200V	35 x 48	5.45	4.24	2.76
331871CJ	SNB2200/50	2,200	50V	22 x 26	3.19	2.26	1.30
331889CJ	SNB3300/50	3,300	50V	25 x 23	2.45	2.01	1.17
331740CJ	SNA3300/80	3,300	80V	22 x 48	2.35	2.23	1.44
331897CJ	SNB4700/50	4,700	50V	25 x 30	2.19	1.99	1.79
115422CJ	SN4700/50	4,700	50V	30 x 41	3.19	2.55	1.91
331723CJ	SNA4700/63	4,700	63V	25 x 33	3.75	3.06	2.54
331900CJ	SNB6800/50	6,800	50V	25 x 40	2.69	2.40	1.68
115432CJ	SN6800/50	6,800	50V	30 x 51	3.15	2.68	2.01
331758CJ	SNA8200/80	8,200	80V	35 x 53	6.35	4.76	2.95
331707CJ	SNA10000/16	10,000	16V	22 x 30	3.29	1.90	1.34
331918CJ	SNB10000/50	10,000	50V	25 x 41	4.65	3.51	2.18
157737CJ	SN10000/50	10,000	50V	35 x 40	4.95	4.10	3.99
331731CJ	SNA10000/63	10,000	63V	35 x 40	5.49	4.45	3.94
331715CJ	SNA15000/25	15,000	25V	25 x 40	2.65	2.35	1.78

Other Manufacturers — Great Deals*

Part No.	Mfr. Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100
203211CJ	SN220/400/2	220	400V	22 x 51	$4.15	$3.53	$2.65
115377CJ	SN470/200	470	200V	30 x 41	2.25	1.91	1.43
203254CJ	SN470/400/4	470	400V	35 x 41	6.35	5.40	4.05
155889CJ	SN560/200	560	200V	23 x 41	~~$2.89~~ $2.49	$2.12	$1.59
115431CJ	SN6800/50	6,800	50V	30 x 51	2.85	2.41	1.81

*Capacitor dimensions may vary

Memory Back-Up Capacitors

A Jameco EXCLUSIVE


142922CJ


227811CJ

Applications:
- Memory back-up of remote controllers
- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)

Features:
- Small size vs. capacitance
- Voltage: 5.5VDC
- Excellent voltage holding characteristics for low back-up currents

Part No.	Mfr. Cross Ref. No.	Value (Farad)	1	10	100
142922CJ	MBC.047/5.5	.047	$1.49	$1.34	$.99
142949CJ	MBC.22/5.5	.22	2.09	1.79	1.41
143010CJ	MBC.47/5.5	.47	3.49	3.15	2.59

Other Manufacturers — Great Deals*

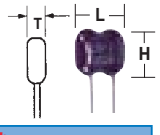
Part No.	Mfr. Cross Ref. No.	Value (Farad)	1	10	100
142957CJ	MBC1.0/5.5	1.0	$4.29	$3.85	$3.49
227811CJ	S5R5V105	1.0	4.49	3.82	2.86

*Capacitor dimensions and styles may vary

Dipped Silver Mica Capacitors (±5%)

Metalized Polyester Film Capacitors

Lower $$$



- Case type: DM15
- Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55° to +125°C

Quantity SAVE

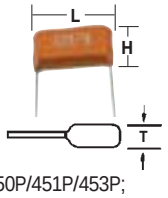
Other Manufacturers — Great Deals*

Part No.	Mfr. Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H	1	10	100	1000
15991CJ	DM100	10pF	500	11 x 4 x 9	$.49	$.44	$.35	$.26
16037CJ	DM220	22pF	500	11 x 4 x 9	.49	.39	.29	.23
16070CJ	DM330	33pF	500	11 x 4 x 9	.49	.38	.31	.29
16096CJ	DM470	47pF	500	11 x 4 x 9	.49	.39	.29	.25
16002CJ	DM101	100pF	500	11 x 4 x 9	.49	.44	.35	.26
16088CJ	DM331	330pF	500	11 x 4 x 9	.89	.73	.55	.45
16109CJ	DM471	470pF	500	11 x 4 x 9	1.05	.94	.76	.57
16011CJ	DM102	1000pF	100	11 x 4 x 9	1.19	1.07	.86	.64

*Capacitor dimensions and styles may vary

Mylar Capacitors (±10%)

Metallized Polyester Film Capacitors



- High performance at low cost
- Non-inductive construction
- Operating temp. ramge: -40°C to +85°C
- Dissipation factor: ≤.01 (at 1kHz)
- Dielectric strength: 150% of rated voltage for 5sec.

†**Cross References: Panasonic:** ECQ-E Series; **Sprague:** DF/450P/451P/453P; **Westlake:** 160/168/ 185/167/184/186; **Rubycon:** MC/MN; **Mepco:** 713A1/719A1/ C280; **TRW:** X601PE/ X601CPE; **Packtron:** MF/RB; **Secor:** MMKS/MMKR/MMDR; **RIFA:** PHE353/ PHE354;**Roederstein:** MKT 1818/MKT 1822; **WIMA:** MKS; **CSF Thompson:** MD/ MC; **Siemens:** B325X-XX; **NIC:** NEM/NRM; **Nichicon:** DDXM; **Phillips:** 712 A1 series

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.†	Value (µF)	Volt. (V)	Size (mm)* L x T x H		Pricing 1	10	100	1000
26833CJ	MY.001	.001	100	7.0 x 3.0 x 7.0	✳	$.10	$.07	$.05	
207802CJ	MY.0015/1000	.0015	1000	23.5 x 5.1 x 10.7	✳	.034	.031	.028	
26868CJ	MY.0022	.0022	100	6.0 x 3.0 x 10.0	✳	.09	.056	.043	
26876CJ	MY.0047	.0047	100	6.0 x 3.0 x 9.0	✳	.14	.119	.089	
207829CJ	MY.0068/220	.0068	220	18.0 x 5.5 x 10.0	✳	.12	.07	.05	
26884CJ	MY.01	.01	100	6.0 x 3.0 x 7.0	✳	.10	.06	.04	
207837CJ	MY.018/50	.018	50	6.1 x 2.6 x 11.3	✳	.068	.062	.057	
26905CJ	MY.022	.022	100	6.0 x 3.0 x 10.0	✳	.15	.10	.06	
26921CJ	MY.033	.033	100	8.0 x 4.0 x 11.0	✳	.15	.10	.06	
207861CJ	MY.033/400	.033	400	11.0 x 4.0 x 8.0	.28	.224	.198	.164	
26930CJ	MY.047	.047	100	8.0 x 4.0 x 12.0	✳	.15	.10	.06	
135562CJ	MY.1/50	.1 ††	50	14.0 x 6.0 x 12.0	✳	.11	.062	.056	
26956CJ	MY.1	.1	100	12.5 x 5.0 x 9.5	✳	.17	.12	.07	
93921CJ	MY.1/250	.1	250	12.5 x 5.5 x 10	✳	.19	.16	.13	
26972CJ	MY.22	.22	100	12.5 x 5.5 x 10	✳	.19	.12	.085	
93964CJ	MY.33/250	.33	250	18.0 x 7.0 x 12.5	.27	.221	.177	.133	
26999CJ	MY.47	.47	100	18.0 x 6.0 x 11.5	.39	.29	.20	.17	
27001CJ	MY1	1.0	100	18.0 x 7.5 x 14.0	.49	.39	.33	.29	
93981CJ	MY1/250	1.0	250	26.0 x 9.0 x 16.0	.50	.45	.40	.34	
93999CJ	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	.89	.69	.59	.45	

†† ±20% tolerance

*Capacitor dimensions and styles may vary

Color Code Legend: New Sale Lower$ QtySave

Ceramic Disc Capacitors (±20%)

JAMECO ValuePro — A Jameco EXCLUSIVE

25, 50 and 1000 Volt, Z5U Temperature Coefficient

Operating temperature range	+10°C to +85°C
Cap. change over temp. range	+22% to -56%
Dielectric withstanding voltage	2.5 times rated volt. for not < 1 sec.



✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref No.	Value	Volt.	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
332179CJ	CD1/50	1pF	50V	5 x 2.5	✳	$.014	$.009	$.008	$.007
135142CJ	DC2.2	2.2pF	50V	5 x 2.5	✳	.05	.035	.019	.015
332291CJ	CD3.3/1000	3.3pF	1000V	5 x 2.5	✳	.176	.103	.098	.097
332187CJ	CD5/50	5pF	50V	5 x 2.5	✳	.056	.028	.027	.026
332304CJ	CD5/1000	5pF	1000V	5 x 2.5	✳	.143	.108	.097	.092
15334CJ	DC10	10pF	50V	5 x 2.5	✳	.07	.05	.02	.015
332312CJ	CD10/1000	10pF	1000V	6 x 2.5	.44	.35	.20	.18	.17
332195CJ	CD12/50	12pF	50V	5 x 2.5	✳	.014	.009	.008	.007
332208CJ	CD15/50	15pF	50V	5 x 2.5	✳	.03	.018	.016	.015
332321CJ	CD20/1000	20pF	1000V	5 x 2.5	.44	.35	.20	.18	.17
15406CJ	DC22	22pF	50V	6 x 2.5	✳	.078	.055	.028	.022
332339CJ	CD22/1000	22pF	1000V	5 x 2.5	✳	.093	.052	.048	.044
332216CJ	CD33/50	33pF	50V	5 x 2.5	✳	.056	.027	.025	.02
15511CJ	DC47	47pF	50V	5 x 2.5	✳	.055	.039	.022	.017
332347CJ	CD47/1000	47pF	1000V	5 x 2.5	.42	.234	.167	.092	.08
332224CJ	CD68/50	68pF	50V	5 x 2.5	✳	.065	.033	.029	.025
332355CJ	CD68/1000	68pF	1000V	5 x 2.5	✳	.141	.095	.086	.082
15342CJ	DC100	100pF	50V	5 x 2.5	✳	.056	.039	.028	.022
332232CJ	CD120/50	120pF	50V	5 x 2.5	✳	.056	.029	.027	.021
332363CJ	CD120/1000	120pF	1000V	5 x 2.5	.23	.206	.147	.081	.071
332371CJ	CD150/1000	150pF	1000V	5 x 2.5	✳	.201	.143	.079	.068
15414CJ	DC220	220pF	50V	5 x 2.5	✳	.05	.035	.025	.015
332380CJ	CD220/1000	220pF	1000V	5 x 2.5	.42	.201	.143	.079	.068
15449CJ	DC330	330pF	50V	5 x 2.5	✳	.05	.035	.025	.022
332398CJ	CD330/1000	330pF	1000V	5 x 2.5	.42	.235	.17	.096	.091
15529CJ	DC470	470pF	50V	5 x 2.5	✳	.09	.072	.028	.024

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref No.	Value	Volt.	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
332401CJ	CD470/1000	470pF	1000V	5 x 2.5	$.42	$.235	$.17	$.096	$.09
332419CJ	CD560/1000	560pF	1000V	6 x 2.5	✳	.043	.042	.041	.039
332241CJ	CD680/50	680pF	50V	5 x 2.5	✳	.056	.03	.027	.021
332427CJ	CD680/1000	680pF	1000V	6 x 2.5	✳	.149	.084	.071	.067
207853CJ	DC820/1000	820pF	1000V	14 x 2.5	✳	.07	.059	.048	.036
332435CJ	CD1000/1000	1000pF	1000V	5 x 2.5	.38	.235	.17	.096	.09
332259CJ	CD1200/50	1200pF	50V	5 x 2.5	✳	.056	.03	.027	.021
332267CJ	CD1500/50	1500pF	50V	5 x 2.5	✳	.056	.03	.027	.021
332275CJ	CD2200/50	2200pF	50V	5 x 2.5	✳	.074	.037	.033	.027
332443CJ	CD2200/1000	2200pF	1000V	6 x 2.5	.42	.293	.235	.12	.112
332283CJ	CD3300/50	3300pF	50V	5 x 2.5	✳	.074	.037	.033	.027
332451CJ	CD4700/1000	4700pF	1000V	7 x 2.5	.35	.34	.208	.198	.188
332460CJ	CD5000/1000	5000pF	1000V	7 x 2.5	.31	.30	.186	.177	.168
332478CJ	CD7500/1000	7500pF	1000V	8 x 2.5	.48	.456	.323	.307	.292
15191CJ	DC.001	.001µF	50V	6 x 2.5	✳	.067	.056	.028	.024
97342CJ	DC.0022/1K20	.0022µF	1000V	11 x 2.5	✳	.22	.18	.16	.11
15212CJ	DC.0047	.0047µF	50V	6 x 2.5	✳	.05	.035	.03	.02
15230CJ	DC.01	.01µF	50V	6 x 2.5	✳	.067	.045	.033	.023
97376CJ	DC.01/1K20	.01µF	1000V	12 x 2.5	✳	.20	.133	.093	.073
332486CJ	CD20000/1000	.02uF	1000V	16 x 2.5	.60	.57	.33	.26	.247
15246CJ	DC.022	.022µF	50V	8 x 2.5	✳	.07	.05	.04	.03
15254CJ	DC.047	.047µF	50V	8 x 2.5	✳	.093	.077	.063	.044
332494CJ	CD47000/1000	.047uF	1000V	16 x 2.5	1.59	1.22	.71	.68	.65
332507CJ	CD50000/1000	.05uF	1000V	16 x 2.5	1.35	1.28	.81	.65	.62
151117CJ	DC.1/25	.1µF	25V	6 x 2.5	✳	.155	.145	.089	.078
15271CJ	DC.1	.1µF	50V	8 x 2.5	✳	.167	.145	.128	.105
332515CJ	CD100000/1000	.1uF	1000V	21 x 2.5	1.95	1.79	1.05	.83	.79

Other Manufacturers — Great Deals*

Part No.	Mfr. Cross Ref No.	Value	Volt.	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
135141CJ	DC2.2	2.2pF	50V	5	✳	$.05	$.035	$.019	$.015
15333CJ	DC10	10pF	50V	5	✳	.063	.045	.018	.013
15405CJ	DC22	22pF	50V	6	✳	.07	.05	.025	.02
15510CJ	DC47	47pF	50V	5	✳	.05	.035	.02	.015
15341CJ	DC100	100pF	50V	5	✳	.05	.035	.025	.02
15413CJ	DC220	220pF	50V	5	✳	.045	.032	.023	.013
15448CJ	DC330	330pF	50V	5	✳	.045	.041	.029	.016
15528CJ	DC470	470pF	50V	5	✳	.08	.065	.025	.022
15190CJ	DC.001	.001µF	50V	6	✳	.06	.054	.043	.032

Part No.	Mfr. Cross Ref No.	Value	Volt.	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
97341CJ	DC.0022/1K20	.0022µF	1000V	11	✳	$.242	$.166	$.097	$.072
15211CJ	DC.0047	.0047µF	50V	6	✳	.045	.032	.027	.02
15229CJ	DC.01	.01µF	50V	6	✳	.06	.04	.03	.02
97375CJ	DC.01/1K20	.01µF	1000V	12	✳	.18	.12	.084	.066
15245CJ	DC.022	.022µF	50V	8	✳	.063	.045	.036	.027
15253CJ	DC.047	.047µF	50V	8	✳	.084	.069	.057	.04
151116CJ	DC.1/25	.1µF	25V	6	✳	.14	.13	.08	.07
15270CJ	DC.1	.1µF	50V	8	✳	.15	.135	.108	.081

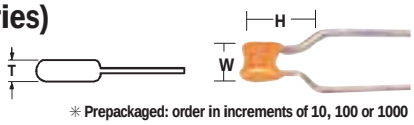
*Capacitor dimensions and styles may vary

Monolithic Ceramic Capacitors (±20%) (Z5U Series)

JAMECO ValuePro — A Jameco EXCLUSIVE

Applications: • Data processing • Communications engineering

Operating temp. range: -10°C to +85°C ✳ Prepackaged: order in increments of 10, 100 or 1000



✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	Value	Volt.	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
81542CJ	MD10	10pF	50V	3.5 x 2.0 x 3.0 x 2.5	✳	$.10	$.065	$.045	$.034
332523CJ	MOC10/100	10pF	100V	4.2 x 3.0 x 4.2 x 2.5	✳	.089	.065	.046	.044
332531CJ	MOC15/100	15pF	100V	4.2 x 3.0 x 4.2 x 2.5	.30	.202	.144	.101	.096
81534CJ	MD22	22pF	50V	4.0 x 2.0 x 4.0 x 2.5	✳	.105	.081	.05	.045
332540CJ	MOC22/100	22pF	100V	4.2 x 3.0 x 4.2 x 2.5	✳	.10	.073	.051	.048
332558CJ	MOC33/100	33pF	100V	4.2 x 3.0 x 4.2 x 2.5	✳	.167	.122	.08	.076
332566CJ	MOC47/100	47pF	100V	4.2 x 3.0 x 4.2 x 2.5	✳	.118	.086	.06	.057
332574CJ	MOC68/100	68pF	100V	4.2 x 3.0 x 4.2 x 2.5	.30	.202	.144	.101	.096
81526CJ	MD100	100pF	50V	3.5 x 2.0 x 3.0 x 2.5	✳	.10	.078	.05	.039

Part No.	Mfr. Cross Ref. No.	Value	Volt.	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
81518CJ	MD.001	.001µF	50V	4.5 x 2.0 x 3.0 x 2.5	✳	$.10	$.078	$.075	$.068
138182CJ	MD.0022	.0022µF	50V	4.0 x 2.0 x 5.5 x 2.5	✳	.078	.067	.055	.045
25508CJ	MD.01	.01µF	50V	3.5 x 2.0 x 3.0 x 2.5	✳	.09	.06	.045	.041
57622CJ	MD.047	.047µF	50V	2.5 x 2.5 x 3.0 x 2.5	✳	.08	.07	.05	.039
25524CJ	MD.1	.1µF	50V	6.0 x 2.0 x 4.0 x 2.5	✳	.078	.067	.044	.039
25541CJ	MD.22	.22µF	50V	6.0 x 2.0 x 4.5 x 2.5	✳	.189	.133	.089	.072
138238CJ	MD.33	.33µF	50V	6.0 x 2.0 x 8.0 x 2.5	✳	.178	.155	.122	.078
25559CJ	MD.47	.47µF	50V	4.5 x 2.5 x 4.5 x 2.5	✳	.39	.28	.21	.145
81510CJ	MD1	1µF	50V	6.0 x 3.0 x 7.0 x 2.5	.53	.48	.355	.255	.233

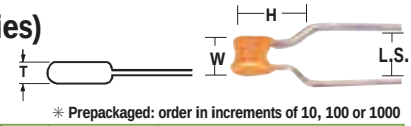
Other Manufacturers — Great Deals*

Part No.	Mfr. Cross Ref. No.	Value	Volt.	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
81541CJ	MD10	10pF	50V	3.5 x 2.0 x 3.0	✳	$.09	$.056	$.04	$.027
81533CJ	MD22	22pF	50V	4.0 x 2.0 x 4.0	✳	.095	.073	.045	.04
81525CJ	MD100	100pF	50V	3.5 x 2.0 x 3.0	✳	.09	.07	.045	.035
81517CJ	MD.001	.001µF	50V	4.5 x 2.0 x 3.0	✳	.09	.07	.05	.035
138181CJ	MD.0022	.0022µF	50V	4.0 x 2.0 x 5.5	✳	.07	.06	.05	.038
138202CJ	MD.0047	.0047µF	50V	5.0 x 2.0 x 5.5	✳	.07	.063	.05	.038
25507CJ	MD.01	.01µF	50V	3.5 x 2.0 x 3.0	✳	.10	.067	.05	.045

Part No.	Mfr. Cross Ref. No.	Value	Volt.	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
57621CJ	MD.047	.047µF	50V	2.5 x 2.5 x 3.0	✳	$.072	$.063	$.045	$.027
25523CJ	MD.1	.1µF	50V	6.0 x 2.0 x 4.0	✳	.07	.06	.04	.035
25540CJ	MD.22	.22µF	50V	6.0 x 2.0 x 4.5	✳	.17	.12	.08	.06
138237CJ	MD.33	.33µF	50V	6.0 x 2.0 x 8.0	✳	.16	.14	.11	.07
25558CJ	MD.47	.47µF	50V	4.5 x 2.5 x 4.5	✳	.25	.19	.13	.12
81509CJ	MD1	1µF	50V	6.0 x 3.0 x 7.0	.48	.43	.32	.23	.21

*Capacitor dimensions and style may vary

Monolithic Ceramic Capacitors (±10%) (XR7 Series)



Applications: • Data processing • Communications engineering
Operating temp. range: -10°C to +85°C

A Jameco EXCLUSIVE

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	Value	Volt.	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
332582CJ	MOC100/100	100pF	100V	5 x 5 x 3 x 2.5	✳	$.14	$.12	$.081	$.071
332591CJ	MOC220/100	220pF	100V	5 x 5 x 3 x 2.5	.27	.188	.134	.074	.07
332603CJ	MOC330/100	330pF	100V	5 x 5 x 3 x 2.5	.27	.188	.134	.094	.089
332611CJ	MOC470/100	470pF	100V	5 x 5 x 3 x 2.5	✳	.121	.088	.08	.076
332620CJ	MOC1000/100	1000pF	100V	5 x 5 x 3 x 2.5	✳	.107	.078	.055	.052
332638CJ	MOC4700/100	4700pF	100V	5 x 5 x 3 x 2.5	✳	.107	.078	.055	.052

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	Value	Volt.	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
332646CJ	MOC10000/100	0.01µF	100V	5 x 5 x 3 x 2.5	✳	$.125	$.09	$.063	$.06
332654CJ	MOC22000/100	0.022µF	100V	5 x 5 x 3 x 2.5	✳	.111	.08	.056	.053
332662CJ	MOC47000/100	0.047µF	100V	5 x 5 x 3 x 2.5	✳	.142	.104	.073	.069
332671CJ	MOC100000/100	0.1µF	100V	5 x 5 x 3 x 2.5	✳	.132	.096	.067	.064
332689CJ	MOC150000/100	0.15µF	50V	5 x 5 x 3 x 2.5	.45	.408	.366	.33	.314

Dipped Tantalum Capacitors (±10%)

Resin Dipped Solid Tantalum Capacitors



A Jameco EXCLUSIVE

- Operating temp. range: -55°C to +85°C (+125°C with derating)
- Rated voltage DC: ≤ +85°C
- Low leakage current
- Exceptional temperature stability
- Moisture-resistant
- Flame retardant coating
- Designed for entertainment and commercial equipment

†**Cross References: Panasonic:** EF Series; **AVX:** Tap Series; **Sprague:** 196D and 199D; **Matsuo:** 202; **Kemet:** T350/ T360; **Mepco:** 49GS; **NEC:** DN; **Nichicon:** 599; **NIC:** NDTM; **Hitachi:** TSD-3

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Mfr. Cross Ref No.†	Value	Volt.	Size (mm) D x H x L.S.	Pricing 1	10	100	500
33487CJ	TM.1	.1µF	35	4.5 x 7 x 2.5	✳	$.25	$.19	$.15
332110CJ	TDR0.1/50	.1uF	50	4.5 x 7 x 2.5	.30	.269	.194	.18
33508CJ	TM.22	.22µF	35	4.5 x 7 x 2.5	✳	.25	.19	.15
33524CJ	TM.33	.33µF	35	4.5 x 7 x 2.5	✳	.25	.19	.15
332128CJ	TDR0.33/50	.33uF	50	4.5 x 7 x 2.5	.39	.351	.227	.18
33532CJ	TM.47	.47µF	35	4.5 x 7 x 2.5	✳	.20	.15	.14
332136CJ	TDR0.47/50	.47uF	50	4.5 x 7 x 2.5	.39	.351	.24	.18
61103CJ	TM.68	.68µF	35	4.5 x 7 x 2.5	✳	.25	.19	.17
154861CJ	TM1/25	1µF	25	4.5 x 7 x 2.5	.32	.29	.25	.22
33663CJ	TM1	1µF	35	4.5 x 7 x 2.5	.32	.29	.25	.22
332144CJ	TDR1/50	1uF	50	8.0 x 5 x 2.5	.34	.30	.216	.203
94002CJ	TM2.2/16	2.2µF	16	4.5 x 7 x 2.5	✳	.19	.16	.12
33735CJ	TM2.2/25	2.2µF	35	5 x 8 x 2.5	.39	.35	.29	.22
332152CJ	TDR2.2/50	2.2uF	50	6.5 x 11 x 2.5	.66	.58	.429	.387
33770CJ	TM3.3	3.3µF	35	5 x 8 x 2.5	.55	.36	.33	.31
94036CJ	TM4.7/16	4.7µF	16	5 x 8 x 2.5	.47	.38	.28	.20

Part No.	Mfr. Cross Ref No.†	Value	Volt.	Size (mm) D x H x L.S.	Pricing 1	10	100	500
94044CJ	TM4. 7/25	4.7µF	25	5 x 8 x 2.5	$.49	$.44	$.33	$.20
33807CJ	TM4.7	4.7µF	35	5.5 x 9.5 x 2.5	.45	.42	.37	.27
33874CJ	TM6.8	6.8µF	35	6.5 x 11 x 2.5	.59	.45	.36	.32
94061CJ	TM10/16	10µF	16	5 x 8 x 2.5	.45	.39	.29	.25
94079CJ	TM10/25	10µF	25	5.5 x 9.5 x 2.5	.59	.50	.40	.36
33690CJ	TM10	10µF	35	5.5 x 11 x 2.5	.89	.79	.69	.59
332161CJ	TDR10/50	10uF	50	8.5 x 13 x 2.5	2.75	2.42	1.97	1.82
33719CJ	TM15	15µF	25	6.5 x 11 x 2.5	.89	.80	.72	.61
33752CJ	TM22	22µF	6.3	5.5 x 9.5 x 2.5	.45	.37	.26	.22
94095CJ	TM22/16	22µF	16	5.5 x 9.5 x 2.5	.69	.59	.49	.45
332101CJ	TDR22/35	22uF	35	8.5 x 13 x 2.5	1.95	1.70	1.16	1.08
33786CJ	TM33	33µF	25	8.5 x 13 x 2.5	2.35	2.09	1.62	1.05
94124CJ	TM47/16	47µF	16	6.5 x 11 x 2.5	1.69	1.55	1.35	.95
33823CJ	TM47	47µF	25	9.5 x 16.5 x 2.5	3.39	3.05	2.35	1.85
332099CJ	TDR68/25	68uF	25	9.5 x 16.5 x 2.5	6.45	5.57	3.03	2.82
33701CJ	TM100	100µF	6.3	8.5 x 13 x 2.5	1.19	1.09	.95	.85

*Other Manufacturers — Great Deals**

Part No.	Mfr. Cross Ref No.†	Value	Volt.	Size (mm) D x H x L.S.	Pricing 1	10	100	500
33486CJ	TM.1	.1µF	35	4.5 x 7	$.23	$.225	$.171	$.135
33507CJ	TM.22	.22µF	35	4.5 x 7	✳	.265	.182	.137
33523CJ	TM.33	.33µF	35	4.5 x 7	✳	.225	.171	.135
33531CJ	TM.47	.47µF	35	4.5 x 7	✳	.18	.135	.126
61102CJ	TM.68	.68µF	35	4.5 x 7	✳	.25	.213	.159
154860CJ	TM1/25	1µF	25	4.5 x 7	.29	.261	.225	.198
33662CJ	TM1	1µF	35	4.5 x 7	.29	.261	.225	.198
94001CJ	TM2.2/16	2.2µF	16	4.5 x 7	.29	.24	.20	.15
94019CJ	TM2.2/25	2.2µF	25	4.5 x 7	.30	.232	.186	.139
33734CJ	TM2.2	2.2µF	35	5 x 8	.35	.315	.261	.198
33769CJ	TM3.3	3.3µF	35	5 x 8	.50	.324	.297	.279
94035CJ	TM4.7/16	4.7µF	16	5 x 8	.34	.272	.218	.163
94043CJ	TM4.7/25	4.7µF	25	5 x 8	.44	.396	.297	.18

Part No.	Mfr. Cross Ref No.†	Value	Volt.	Size (mm) D x H x L.S.	Pricing 1	10	100	500
33806CJ	TM4.7	4.7µF	35	5.5 x 9.5	$.41	$.378	$.333	$.243
33873CJ	TM6.8	6.8µF	35	6.5 x 11	.53	.48	.38	.29
94060CJ	TM10/16	10µF	16	5.0 x 8	.41	.351	.261	.225
94078CJ	TM10/25	10µF	25	5.5 x 9.5	.53	.45	.36	.324
33689CJ	TM10	10µF	35	6.5 x 11	.80	.71	.62	.53
33718CJ	TM15	15µF	25	6.5 x 11	.80	.72	.65	.58
33751CJ	TM22	22µF	6.3	5.5 x 9.5	.49	.44	.35	.26
94094CJ	TM22/16	22µF	16	5.5 x 9.5	.62	.53	.441	.405
94107CJ	TM22/25	22µF	25	8.5 x 13	1.59	1.45	.89	.79
33785CJ	TM33	33µF	25	8.5 x 13	2.09	1.89	1.45	.95
94123CJ	TM47/16	47µF	16	6.5 x 11	1.55	1.39	1.25	.86
33822CJ	TM47	47µF	25	9.5 x 16.5	3.05	2.75	2.09	1.65
33700CJ	TM100	100µF	6.3	8.5 x 13	1.09	.99	.86	.77

*Capacitor dimensions and styles may vary

Motor Capacitors

A Jameco EXCLUSIVE



- Operating temperature: -25°C to +85°C
- Metal or plastic shell and double welding sheet metal
- Insulation resistance: >300MΩ
- Quick connect

Motor Running Capacitors

Part No.	Mfr. Cross Ref No.	Value	Volt.	Dimensions (mm) D x H	Pricing 1	10	100	500
332793CJ	MRC370V2	2uF	370V	34 x 50	$4.69	$4.17	$3.88	$3.69
332806CJ	MRC370V4	4uF	370V	34 x 50	5.05	4.80	4.33	3.90
332814CJ	MRC370V5	5uF	370V	34 x 50	3.85	3.68	3.12	2.81
332822CJ	MRC370V7R5	7.5uF	370V	36 x 80	5.89	3.96	3.38	3.04
332831CJ	MRC370V10	10uF	370V	42 x 80	4.85	4.06	3.46	3.29
332849CJ	MRC370V15	15uF	370V	40 x 70	6.05	5.07	4.38	4.16
332857CJ	MRC370V25	25uF	370V	40 x 70	8.05	6.76	5.83	5.54
332865CJ	MRC440V10	10uF	440V	40 x 70	6.49	5.47	4.72	4.48
332873CJ	MRC440V20	20uF	440V	40 x 70	9.99	8.51	7.27	6.91
332881CJ	MRC440V25	25uF	440V	50 x 100	10.79	9.19	7.84	7.45

Motor Starting Capacitors

Part No.	Mfr. Cross Ref No.	Value	Volt.	Dimensions (mm) D x H	Pricing 1	10	100	500
332697CJ	MSC125V21	21uF	125V	37 x 70	$2.35	$2.23	$2.12	$2.01
332700CJ	MSC125V124	124uF	125V	37 x 70	2.75	2.61	2.48	2.36
332718CJ	MSC125V161	161uF	125V	37 x 70	2.95	2.80	2.66	2.53
332726CJ	MSC125V189	189uF	125V	37 x 70	3.09	2.94	2.79	2.65
332734CJ	MSC125V216	216uF	125V	37 x 86	3.29	3.13	2.97	2.82
332742CJ	MSC125V270	270uF	125V	37 x 86	3.59	3.41	3.24	3.08
332751CJ	MSC125V590	590uF	125V	46 x 111	6.15	5.84	5.55	5.27
332769CJ	MSC250V21	21uF	250V	37 x 70	2.95	2.80	2.66	2.53
332777CJ	MSC250V30	30uF	250V	37 x 70	3.09	2.94	2.90	2.87
332785CJ	MSC250V53	53uF	250V	46 x 86	3.85	3.25	3.02	2.87

Surface Mount Capacitors

JAMECO ValuePro — ✓ Awesome Prices ✓ Consistent Quality ✓ Professional Grade ✓ Backed by Jameco

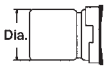
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Aluminum Electrolytic Capacitors


193009CJ Tape


193009CJ

Operating temperature range	-40˚C to +85˚C
Leakage Current (20˚C) after 2 minutes	≤ .01CV or 3µA



Side View


Bottom View

Quantity SAVE — ✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Mfr. Cross Ref No.†	Value (µF)	Voltage	Dia. (mm)	Pricing 1	10	100	500
193228CJ	SE1/50	1	50	4.0	✳	$.15	$.14	$.11
193236CJ	SE2.2/50	2.2	50	4.0	✳	.134	.114	.086
193244CJ	SE3.3/50	3.3	50	4.0	✳	.13	.107	.08
193076CJ	SE427/25	4.7	25	4.0	✳	.134	.114	.086
193252CJ	SE4.7/50	4.7	50	5.0	✳	.17	.14	.105
192997CJ	SE10/16	10	16	4.0	✳	.14	.112	.084
193084CJ	SE10/25	10	25	5.0	✳	.16	.13	.096
193164CJ	SE10/35	10	35	5.0	.22	.20	.16	.12
193261CJ	SE10/50	10	50	6.3	✳	.23	.168	.146
192891CJ	SE22/6.3	22	6.3	4.0	✳	.076	.069	.063
193009CJ	SE22/16	22	16	5.0	✳	.19	.162	.121
193092CJ	SE22/25	22	25	6.3	✳	.18	.153	.115
193172CJ	SE22/35	22	35	6.3	.22	.198	.158	.119
193279CJ	SE22/50	22	50	6.3	✳	.26	.221	.165
193017CJ	SE33/16	33	16	5.0	✳	.19	.162	.121
193105CJ	SE33/25	33	25	6.3	✳	.22	.19	.14
193181CJ	SE33/35	33	35	8.0	.25	.225	.18	.135
193287CJ	SE33/50	33	50	8.0	.25	.225	.213	.201
193025CJ	SE47/16	47	16	6.3	✳	.19	.162	.121
193113CJ	SE47/25	47	25	6.3	$.33 .29	.26	.21	.16
193199CJ	SE47/35	47	35	6.3	✳	.25	.176	.12

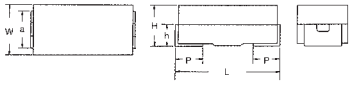
SALE — ✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Mfr. Cross Ref. No.†	Value (µF)	Voltage	Dia. (mm)	Pricing 1	10	100	500
193295CJ	SE47/50	47	50	10.0	$.33	$.277	$.253	$.229
192903CJ	SE100/6.3	100	6.3	6.3	✳	.10	.092	.083
193033CJ	SE100/16	100	16	8.0	.25	.23	.21	.19
193121CJ	SE100/25	100	25	8.0	.26	.218	.176	.15
193201CJ	SE100/35	100	35	10.0	.37	.333	.305	.277
193308CJ	SE100/50	100	50	10.0	.46	.419	.374	.329
192962CJ	SE220/10	220	10	8.0	.27	.25	.23	.21
193041CJ	SE220/16	220	16	8.0 $.48	.42	.38	.30	.254
193130CJ	SE220/25	220	25	10.0	.63	.57	.468	.366
193210CJ	SE220/35	220	35	8.0	.47	.42	.34	.25
193316CJ	SE220/50	220	50	10.0	.58	.521	.456	.34
193050CJ	SE330/16	330	16	10.0	.42	.38	.30	.27
193148CJ	SE330/25	330	25	8.0	.47	.42	.34	.25
192920CJ	SE470/6.3	470	6.3	8.0	.29	.26	.24	.22
192971CJ	SE470/10	470	10	8.0	.33	.30	.28	.25
193068CJ	SE470/16	470	16	10.0 $.59	.50	.45	.36	.27
193156CJ	SE470/25	470	25	10.0	.65	.59	.47	.429
192938CJ	SE1000/6.3	1000	6.3	10.0	.37	.34	.31	.28
192989CJ	SE1000/10	1000	10	10.0	.42	.38	.34	.31
192946CJ	SE1500/6.3	1500	6.3	10.0	.39	.36	.32	.30

† **Cross Reference: Panasonic:** VS Series

Resin Molded Chip Tantalum Electrolytic Capacitors (±20%)





Case Size (Dimensions in mm)

EIA CASE CODE	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528)	3.5	2.8	1.9	0.8	2.0	0.7
C (6032)	6.0	3.2	2.5	1.3	2.0	1.0
D (7343)	7.3	4.3	2.9	1.3	2.4	1.0

JAMECO ValuePro — 10V SMT — Pricing per each*

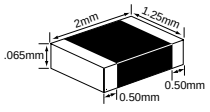
Part No.	Capacitance	Case Size	10	100	500	1000
87021CJ	10µF	B	$.258	$.228	$.181	$.151
87119CJ	100µF	D	.92	.88	.83	.80
Other Manufacturers — Great Deals						
87020CJ	10µF	B	$.203	$.15	$.136	$.105
87118CJ	100µF	D	.80	.76	.73	.69

JAMECO ValuePro — 16V SMT — Pricing per each*

Part No.	Capacitance	Case Size	10	100	500	1000
86933CJ	1µF	A	$.19	$.15	$.11	$.105
87039CJ	10µF	C	.32	.29	.25	.23
87101CJ	47µF	D	1.01	.90	.80	.70
Other Manufacturers — Great Deals						
86932CJ	1µF	A	$.148	$.133	$.107	$.08
87038CJ	10µF	C	.27	.239	.191	.143
87100CJ	47µF	D	.73	.70	.66	.63

Plastic Fliptop Case for SMDs see page 258.

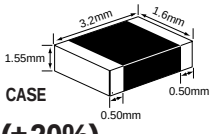




EXCLUSIVE

0805 SMT CASE

Multilayer Ceramic Chip Capacitors



1206 SMT CASE

X7R SERIES (±10%)

JAMECO ValuePro — 0805 SMT — Pricing per each*

Part No.	Capacitance	Volt.	100	500	1000	3000
87312CJ	.01µF	50	$.07	$.04	$.03	$.016
87371CJ	.1µF	25	.09	.06	.053	.048
Other Manufacturers — Great Deals						
87311CJ	.01µF	50	$.063	$.036	$.027	$.014
87370CJ	.1µF	25	.08	.054	.048	.043

JAMECO ValuePro — 1206 SMT — Pricing per each*

Part No.	Capacitance	Volt.	100	500	1000	3000
87330CJ	.01µF	50	$.078	$.044	$.033	$.025
87389CJ	.1µF	50	.13	.05	.046	.045
87397CJ	.22µF	25	.25	.22	.19	.15
Other Manufacturers — Great Deals						
87329CJ	.01µF	50	$.063	$.036	$.027	$.021
87388CJ	.1µF	50	.047	.03	.022	.017
87396CJ	.22µF	25	.094	.088	.082	.077

Z5U SERIES (±20%)

0805 SMT — Pricing per each*

Part No.	Capacitance	Voltage	100	500	1000	5000
87177CJ	.1µF	50	$.033	$.026	$.022	$.017

1206 SMT — Pricing per each*

Part No.	Capacitance	Voltage	100	500	1000	5000
87185CJ	.1µF	50	$.072	$.062	$.044	$.035
87206CJ	.22µF	50	.081	.053	.044	.033
87222CJ	.47µF	50	.225	.198	.171	.153

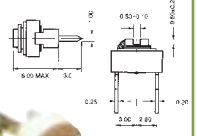
* Prepackaged: order in quantity increments shown

Commercial Customer

Open an account with us to consolidate your monthly billing and save time.

5mm Ceramic Trimmer Capacitor

- Working voltage: 200VDC
- Withstand voltage: 400VDC
- Turning torque: 35-200 g-cm
- Operating temperature range: -30˚C~+85˚C
- Insulation resistance: >10MΩ min. @ 250VDC



Part No.	Capacitance Range (pF)	Q Factor @ 1MHz	Color Codes	Pricing 1	10	100	1000
136979CJ	9.0-50.0	> 200	Green	$.89	$.80	$.64	$.48

8mm (.315") Thru-Hole Ceramic Trimmer Capacitors

- Working voltage: 250VDC
- Withstand voltage: 550VDC
- Turning torque: 40~200 g-cm
- Operating temperature range: -55˚C~+85˚C
- Insulation resistance: 10MΩ min. @ 250VDC


134818CJ

Part No.	Capacitance Range (pF)	Q Factor @ 1MHz	Color Codes	Pricing 1	10	100	1000
134819CJ	3.5–13.0	> 300	Ivory	$.69	$.53	$.53	$.446
32838CJ	4.0–34.0	> 300	Yellow	.99	.84	.77	.58
32854CJ	6.0–70.0	> 200	Nil	.92	.78	.72	.68
94449CJ	8.5–100	> 200	Purple	1.05	.94	.76	.57
94465CJ	8.5–120	> 200	Nil	.99	.79	.65	.59
Other Manufacturers — Great Deals							
134818CJ	3.5–13.0	> 300	Ivory	$.62	$.55	$.45	$.335

1/4-Watt Carbon Film Resistors (±5%)



Single Resistor Value Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use 5-digit part number adjacent to ohms in chart below
Values may not be combined for quantity price breaks

99¢/bag 100 piece bags

Pricing (Sold in bags of 100 pieces)				
Specify Part No. & Resistor Value	1 Bag	10 Bags	50 Bags	100 Bags
(see Standard Resistor Values Chart below)	$.99/bag	$.57/bag	$.49/bag	$.46/bag

Assortment Pricing: 1/4-Watt Carbon Film Resistor (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Description (Including bulk pack values)	1	10	25
10719CJ	5 ea. 70 values (every other value from 10Ω - 5.6 MΩ) (350 pcs.)	$9.95	$8.95	$7.95
103165CJ	10 ea. 24 values marked (●) and 50 ea. 6 values marked (✖) (540 pcs.)	12.95	11.49	9.95
10663CJ	100 ea. 27 values marked (▲) (2,700 pcs.)	24.95	22.49	20.49
10655CJ	100 ea. 160 values (all resistor values in the chart below) (16,000 pcs.)	119.95	107.95	96.95
81832CJ	1/4-watt resistor component cabinet kit – 30 values (540 pcs.), pg 89	27.95	24.95	22.49

Standard Resistor Values Chart

✖▲● see above

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
30293CJ	2.2	59192CJ	15	29946CJ ▲✖	100	31499CJ ▲●	680	31026CJ ▲✖	4.7k	30841CJ ▲●	33k	30525CJ	220k	29778CJ	1.5M
30349CJ	2.4	30197CJ	16	30040CJ	110	31561CJ	750	31237CJ ▲●	5.1k	30912CJ	36k	30576CJ	240k	29794CJ	1.6M
30373CJ	2.7	30234CJ	18	30082CJ	120	31624CJ	820	31270CJ ▲●	5.6k	30955CJ	39k	30613CJ	270k	29815CJ	1.8M
30621CJ	3.0	30411CJ	20	30120CJ	130	31691CJ	910	31405CJ	6.2k	31077CJ	43k	30808CJ	300k	30285CJ	2.0M
30656CJ	3.3	65736CJ	22	30162CJ ▲●	150	29663CJ ▲✖	1.0k	31430CJ	6.8k	31149CJ ▲●	47k	30883CJ	330k	30331CJ	2.2M
30699CJ	3.6	30541CJ	24	59248CJ	160	29719CJ	1.1k	31536CJ	7.5k	31309CJ	51k	30939CJ	360k	30365CJ	2.4M
30728CJ	3.9	30584CJ	27	59281CJ	180	29735CJ ●	1.2k	31595CJ	8.2k	31350CJ	56k	30971CJ	390k	30402CJ	2.7M
30980CJ	4.3	30752CJ	30	59424CJ	200	58931CJ	1.3k	60353CJ	9.1k	31456CJ	62k	31093CJ	430k	30648CJ	3.0M
59811CJ	4.7	30824CJ	33	30470CJ ▲✖	220	29760CJ ▲●	1.5k	29911CJ ▲✖	10k	31481CJ	68k	31202CJ ▲●	470k	30681CJ	3.3M
31211CJ	5.1	30904CJ	36	30568CJ	240	29786CJ	1.6k	30031CJ	11k	31552CJ	75k	31325CJ	510k	30710CJ	3.6M
31253CJ	5.6	59723CJ	39	30605CJ ▲●	270	29807CJ	1.8k	30074CJ	12k	31616CJ	82k	31384CJ	560k	30744CJ	3.9M
31392CJ	6.2	31069CJ	43	30795CJ	300	30277CJ ▲●	2.0k	30111CJ	13k	31683CJ	91k	31472CJ	620k	31051CJ	4.7M
31421CJ	6.8	31106CJ ▲●	47	30867CJ ▲●	330	30314CJ ▲●	2.2k	30146CJ ▲●	15k	29997CJ ▲✖	100k	31501CJ	680k	31245CJ	5.1M
31528CJ	7.5	31296CJ	51	30921CJ	360	30357CJ	2.4k	30200CJ	16k	30058CJ	110k	31579CJ	750k	59934CJ	5.6M
31587CJ	8.2	31341CJ	56	30963CJ ●	390	30390CJ ▲●	2.7k	30242CJ	18k	30091CJ	120k	31632CJ	820k	31413CJ	6.2M
31641CJ	9.1	60089CJ	62	31085CJ	430	30630CJ	3.0k	30429CJ ●	20k	30138CJ	130k	31704CJ	910k	31448CJ	6.8M
29882CJ ▲●	10	60134CJ	68	31165CJ ▲●	470	30672CJ ▲●	3.3k	30453CJ ▲●	22k	30171CJ	150k	29698CJ ▲●	1.0M	60206CJ	7.5M
59061CJ	11	60222CJ	75	31317CJ	510	30701CJ	3.6k	30550CJ	24k	30226CJ	160k	29727CJ	1.1M	31608CJ	8.2M
30066CJ	12	60302CJ	82	31376CJ	560	30736CJ	3.9k	30592CJ	27k	30269CJ	180k	29743CJ	1.2M	31667CJ	9.1M
30103CJ	13	31675CJ	91	31464CJ	620	59782CJ	4.3k	30779CJ	30k	30437CJ	200k	29751CJ	1.3M	29938CJ ▲●	10M

1/8-Watt Carbon Film Resistor (±5%) Assortments

• 1/8-W – $12.95/k (bulk) • 1/2-W – $15.95/k (bulk)

Part No.	Cross Ref. No.	Values included	Description (see chart below)	Pricing 1	Pricing 10
108302CJ	ASST1830	✗ #	10 ea. of 24 values marked by ✗ and 50 ea. of 6 values marked below by # (540 pcs.)	$12.95	$11.49
108290CJ	ASST1827	✔	100 ea. of 27 values marked by ✓ (2,700 pcs.)	29.95	26.95
108329CJ	CAB182R	—	1/8-watt resistor component cabinet kit – 30 values (540 pcs.), see page 89	24.95	22.49

1/8 & 1/2-Watt Resistor Assortments Value Chart (Ohms)

10 ✓✗	150 ✓✗	330 ✓✗	680 ✓✗	2.0k ✓✗	3.3k ✓✗	5.6k ✓✗	15k ✓✗	33k ✓✗	470k ✓✗
47 ✓✗	220 ✓#	390 ✗	1.0k ✓#	2.2k ✓✗	4.7k ✓#	6.8k ✗	22k ✓✗	47k ✓✗	1.0M ✓✗
100 ✓#	270 ✓✗	470 ✓✗	1.5k ✓✗	2.7k ✓✗	5.1k ✓✗	10k ✓#	27k ✗	100k ✓#	10M ✓✗

(✓), (✗), (#) symbols indicate Resistor values included in Assortments above and below.

1/2-Watt Carbon Film Resistor (±5%) Assortments

• 1/8-W – $12.95/k (bulk) • 1/2-W – $15.95/k (bulk)

Part No.	Cross Ref. No.	Values Included	Description (see chart above)	Pricing 1	Pricing 10
107852CJ	ASST1230	✗ #	10 ea. of 24 values marked by ✗ and 50 ea. of 6 values marked by # (540 pcs.)	$14.95	$13.49
107844CJ	ASST1227	✔	100 ea. of 27 values marked by ✓ (2,700 pcs.)	34.95	31.49
107836CJ	ASST1270	—	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ)(350 pcs.) (see chart above)	10.95	9.95
107879CJ	CAB12R	—	1/2-watt resistor component cabinet kit – 30 values (540 pcs.), see page 89	29.95	26.95

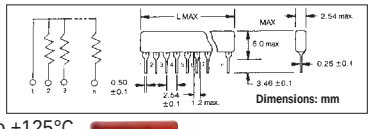
30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 269.

Single-In-Line "SIP" Resistor Networks (±2%)

8 and 10-Pin Bused (125mW/Resistor) ±2%

Features (8BRN/10BRN):
- **8-pin package (7 resistors) = 8BRN**
  10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/ resistor
- Operating temperature range: -55°C to +125°C
- Resistance temperature coefficient: 200ppm/°C
- Max. working voltage: 100V or rated power x resistance, whichever is smaller
- Insulation resistance: 10,000MΩ min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.200" body ht.)
- Low profile is compatible w/ DIPs
- Cermet thick film construction



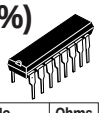


Pricing per each			
1	10	100	1000
$.25	$.19	$.15	$.12
Pricing for P/N 97826			
$.25	$.19	$.15	$.12

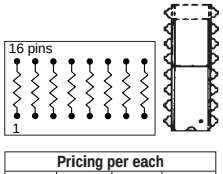
Part No.	Pins	Ohms
97826CJ	8	10k
97851CJ	10	330
97869CJ	10	470
97877CJ	10	1.0k
97893CJ	10	2.2k
24660CJ	10	4.7k
24643CJ	10	10k
98087CJ	10	47k
98095CJ	10	100k

Dual-In-Line "DIP" Resistor Networks (±2%)

16-Pin Isolated (140mW/Resistor) ±2%



Features (16IRN):
- Maximum operating voltage: 100V • Tolerance: ±2%
- Temperature coefficient: ±100ppm/°C
- Operating temp.: -55°C to +125°C
- Insulation resistance: 10,000MΩ min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Power rating at 70°C: 2.25 watts
- Compatible with automatic insertion equipment
- Copper leads for excellent heat dissipation



Pricing per each			
1	10	100	1000
$.39	$.35	$.31	$.29

Part No.	Ohms
164005CJ	33
108556CJ	100
108564CJ	220
108572CJ	330
108581CJ	470
108599CJ	1.0k
108610CJ	4.7k
108628CJ	10k
108644CJ	100k

SIP and DIP Resistor Network Cross Reference Chart

Jameco	CTS	A – B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN…	770-81-R…	708A…	4608X-101…	CSC08A01…	L08-1-R…	356CF… X2PD	9S08… GL002
10BRN…	770-101-R…	710A…	4610X-101…	CSC10A01…	L10-1-R…	256CX … X2PD	9S10… GL002
16IRN…	761-3-R…	316B…	4116R-001…	MDP16-03…	898-3-R…	916C… X5SR	D16H… 12-J

Color Code Legend
New Sale Lower$ QtySave

6, 8, and 10-Pin Bused Single-In-Line "SIP" Resistor Networks (±2%)

6-Pin Resistor Network, 4606X Series Value Equivalents

Part No.	Mfr. Cross Ref.	Ohms	Part No.	Mfr. Cross Ref.	Ohms	Part No.	Mfr. Cross Ref.	Ohms
267098CJ	4606X-101-100	10	267872CJ	4606X-101-681	680	268082CJ	4606X-101-223	22k
267670CJ	4606X-101-220	22	267881CJ	4606X-101-821	820	268091CJ	4606X-101-273	27k
267688CJ	4606X-101-270	27	267899CJ	4606X-101-102	1.0k	268103CJ	4606X-101-333	33k
267696CJ	4606X-101-330	33	267901CJ	4606X-101-122	1.2k	268111CJ	4606X-101-393	39k
267709CJ	4606X-101-390	39	267910CJ	4606X-101-152	1.5k	268120CJ	4606X-101-473	47k
267717CJ	4606X-101-470	47	267928CJ	4606X-101-182	1.8k	268138CJ	4606X-101-563	56k
267725CJ	4606X-101-510	51	267936CJ	4606X-101-202	2.0k	268146CJ	4606X-101-683	68k
267733CJ	4606X-101-560	56	267944CJ	4606X-101-222	2.2k	268154CJ	4606X-101-823	82k
267741CJ	4606X-101-680	68	267952CJ	4606X-101-272	2.7k	268162CJ	4606X-101-104	100k
267750CJ	4606X-101-820	82	267961CJ	4606X-101-332	3.3k	268171CJ	4606X-101-124	120k
267768CJ	4606X-101-101	100	267979CJ	4606X-101-392	3.9k	268189CJ	4606X-101-154	150k
267776CJ	4606X-101-121	120	267987CJ	4606X-101-472	4.7k	268197CJ	4606X-101-184	180k
267784CJ	4606X-101-151	150	267995CJ	4606X-101-512	5.1k	268200CJ	4606X-101-224	220k
267792CJ	4606X-101-181	180	268007CJ	4606X-101-562	5.6k	268218CJ	4606X-101-274	270k
267805CJ	4606X-101-221	220	268015CJ	4606X-101-682	6.8k	268226CJ	4606X-101-334	330k
267813CJ	4606X-101-271	270	268023CJ	4606X-101-822	8.2k	268234CJ	4606X-101-394	390k
267821CJ	4606X-101-331	330	268031CJ	4606X-101-103	10k	268242CJ	4606X-101-474	470k
267830CJ	4606X-101-391	390	268040CJ	4606X-101-123	12k	268251CJ	4606X-101-564	560k
267848CJ	4606X-101-471	470	268058CJ	4606X-101-153	15k	268269CJ	4606X-101-684	680k
267856CJ	4606X-101-511	510	268066CJ	4606X-101-183	18k	268277CJ	4606X-101-824	820k
267864CJ	4606X-101-561	560	268074CJ	4606X-101-203	20k	268285CJ	4606X-101-105	1.0M

8-Pin Resistor Network, 4608X Series Value Equivalents

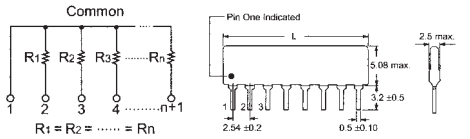
Part No.	Mfr. Cross Ref.	Ohms	Part No.	Mfr. Cross Ref.	Ohms	Part No.	Mfr. Cross Ref.	Ohms
267354CJ	4608X-101-100	10	276066CJ	4608X-101-681	680	276277CJ	4608X-101-223	22k
275864CJ	4608X-101-220	22	276074CJ	4608X-101-821	820	276285CJ	4608X-101-273	27k
275872CJ	4608X-101-270	27	276082CJ	4608X-101-102	1.0k	276293CJ	4608X-101-333	33k
275881CJ	4608X-101-330	33	276091CJ	4608X-101-122	1.2k	276306CJ	4608X-101-393	39k
275899CJ	4608X-101-390	39	276103CJ	4608X-101-152	1.5k	276314CJ	4608X-101-473	47k
275901CJ	4608X-101-470	47	276111CJ	4608X-101-182	1.8k	276322CJ	4608X-101-563	56k
275910CJ	4608X-101-510	51	276120CJ	4608X-101-202	2.0k	276331CJ	4608X-101-683	68k
275928CJ	4608X-101-560	56	276138CJ	4608X-101-222	2.2k	276349CJ	4608X-101-823	82k
275936CJ	4608X-101-680	68	276146CJ	4608X-101-272	2.7k	276357CJ	4608X-101-104	100k
275944CJ	4608X-101-820	82	276154CJ	4608X-101-332	3.3k	276365CJ	4608X-101-124	120k
275952CJ	4608X-101-101	100	276162CJ	4608X-101-392	3.9k	276373CJ	4608X-101-154	150k
275961CJ	4608X-101-121	120	276171CJ	4608X-101-472	4.7k	276381CJ	4608X-101-184	180k
275979CJ	4608X-101-151	150	276189CJ	4608X-101-512	5.1k	276390CJ	4608X-101-224	220k
275987CJ	4608X-101-181	180	276197CJ	4608X-101-562	5.6k	276402CJ	4608X-101-274	270k
275995CJ	4608X-101-221	220	276200CJ	4608X-101-682	6.8k	276411CJ	4608X-101-334	330k
276007CJ	4608X-101-271	270	276218CJ	4608X-101-822	8.2k	276429CJ	4608X-101-394	390k
276015CJ	4608X-101-331	330	276226CJ	4608X-101-103	10k	276437CJ	4608X-101-474	470k
276023CJ	4608X-101-391	390	276234CJ	4608X-101-123	12k	276445CJ	4608X-101-564	560k
276031CJ	4608X-101-471	470	276242CJ	4608X-101-153	15k	276453CJ	4608X-101-684	680k
276040CJ	4608X-101-511	510	276251CJ	4608X-101-183	18k	276461CJ	4608X-101-824	820k
276058CJ	4608X-101-561	560	276269CJ	4608X-101-203	20k	276470CJ	4608X-101-105	1.0M

10-Pin Resistor Network, 4610X Series Value Equivalents

Part No.	Mfr. Cross Ref.	Ohms	Part No.	Mfr. Cross Ref.	Ohms	Part No.	Mfr. Cross Ref.	Ohms
267418CJ	4610X-101-100	10	280786CJ	4610X-101-681	680	280997CJ	4610X-101-223	22k
280583CJ	4610X-101-220	22	280794CJ	4610X-101-821	820	281009CJ	4610X-101-273	27k
280591CJ	4610X-101-270	27	280807CJ	4610X-101-102	1.0k	281017CJ	4610X-101-333	33k
280604CJ	4610X-101-330	33	280815CJ	4610X-101-122	1.2k	281025CJ	4610X-101-393	39k
280612CJ	4610X-101-390	39	280823CJ	4610X-101-152	1.5k	281033CJ	4610X-101-473	47k
280621CJ	4610X-101-470	47	280831CJ	4610X-101-182	1.8k	281041CJ	4610X-101-563	56k
280639CJ	4610X-101-510	51	280840CJ	4610X-101-202	2.0k	281050CJ	4610X-101-683	68k
280647CJ	4610X-101-560	56	280858CJ	4610X-101-222	2.2k	281068CJ	4610X-101-823	82k
280655CJ	4610X-101-680	68	280866CJ	4610X-101-272	2.7k	281076CJ	4610X-101-104	100k
280663CJ	4610X-101-820	82	280874CJ	4610X-101-332	3.3k	281084CJ	4610X-101-124	120k
280671CJ	4610X-101-101	100	280882CJ	4610X-101-392	3.9k	281092CJ	4610X-101-154	150k
280680CJ	4610X-101-121	120	280891CJ	4610X-101-472	4.7k	281105CJ	4610X-101-184	180k
280698CJ	4610X-101-151	150	280903CJ	4610X-101-512	5.1k	281113CJ	4610X-101-224	220k
280701CJ	4610X-101-181	180	280911CJ	4610X-101-562	5.6k	281121CJ	4610X-101-274	270k
280719CJ	4610X-101-221	220	280920CJ	4610X-101-682	6.8k	281130CJ	4610X-101-334	330k
280727CJ	4610X-101-271	270	280938CJ	4610X-101-822	8.2k	281148CJ	4610X-101-394	390k
280735CJ	4610X-101-331	330	280946CJ	4610X-101-103	10k	281156CJ	4610X-101-474	470k
280743CJ	4610X-101-391	390	280954CJ	4610X-101-123	12k	281164CJ	4610X-101-564	560k
280751CJ	4610X-101-471	470	280962CJ	4610X-101-153	15k	281172CJ	4610X-101-684	680k
280760CJ	4610X-101-511	510	280971CJ	4610X-101-183	18k	281181CJ	4610X-101-824	820k
280778CJ	4610X-101-561	560	280989CJ	4610X-101-203	20k	281199CJ	4610X-101-105	1.0M



6-Pin 8-Pin 10-Pin



- Miniature, high density packaging
- Operating temperature range: -55˚C to +125˚C
- Temperature coefficient range: ±100ppm/°C: 50Ω – 1.0MΩ; ±250ppm/°C: <50Ω or >1.0M
- Rating ambient temperature: +70˚C
- Wattage/element: 1/8 Watt
- Max. working voltage: 100V
- **Prepackaged: order in increments of 10, 100, 500 or 1000**

6-Pin Resistor Network Pricing

Qty.	10	100	500	1000
Price	$.14	$.085	$.076	$.071

8-Pin Resistor Network Pricing

Qty.	10	100	500	1000
Price	$.19	$.122	$.114	$.105

10-Pin Resistor Network Pricing

Qty.	10	100	500	1000
Price	$.23	$.16	$.14	$.13

0805 Resistor Assortment (±5%)

144 Values, 50 pcs. each; 7,200 Pieces Total



Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
4.3	30	160	820	3.9k	20k	100k	560k	4.3M
4.7	33	180	910	4.3k	22k	110k	620k	4.7M
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M
7.5	56	300	1.5k	7.5k	36k	200k	1.6M	8.2M
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

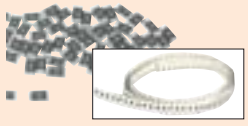
- Size (mm): 2.0L x 1.25W x 0.5Thick
- Max. overload voltage: 200V
- 1/8 watts
- Operating temperature: -50˚C to 120˚C
- Case size (two cases): 10.5"L x 6.7"W x 1.7"T
- Weight: 1.9 lbs.

Includes: Case with labels

Part No.	Mfr. Cross Ref. No.	1	10	25
172806CJ	16-500	$79.95	$71.95	$64.79

1206 Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs.Total



Packaged in strips of 200 pcs. each

Value Chart (Ohms)

10	200	3.92k	75k
12.1	243	4.99k	90.9k
15	301	6.19k	100k
20	392	7.5k	121k
24.3	499	9.09k	150k
30.1	619	10k	200k
39.2	750	12.1k	243k
49.9	909	15k	301k
61.9	1k	20k	392k
75	1.21k	24.3k	499k
90.9	1.5k	30.1k	619k
100	2k	39.2k	750k
121	2.43k	49.9k	909k
150	3.01k	61.9k	1M

- Max. working voltage: 200V
- Power: 1/8W
- Operating temperature: -55˚C to +125˚C
- Temp. coefficient: ±100 ppm/˚C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H

Part No.	Mfr. Cross Ref. No.	1	10	25
156881CJ	SMR1206SB	$99.99	$89.99	$79.99

1/2-Watt Linear Taper (±10%)

- Temperature range: -55˚C to +125˚C
- Non-rotational key
- Non-slotted shaft end
- Mounting hole: 0.3125"
- Shaft diameter: 0.25"
- Shaft length: 0.50"
- Maximum panel thickness: 0.1875"

Includes: Mounting hardware



29081CJ

Qty.	1	10	100	500
Price	$.99	$.79	$.65	$.55

Part No	Product No.	Ohms
29049CJ	P1K	1k
29196CJ	P5K	5k
29081CJ	P10K	10k
29102CJ	P100K	100k
29065CJ	P1MEG	1M

RV4N Style 2-Watt Linear Taper (±10%)

- Shaft diameter: 0.25"
- Shaft length: 0.875"
- 2W @ 70˚C ambient
- Conductive plastic element
- Temp. range: -55˚C to +120˚C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"

Includes: Mounting hardware



95417CJ

Qty.	1	10	25	50
Price	$7.39	$6.54	$5.45	$5.20

Part No.	Product No.	Military No.	Ohms
241550CJ	53C3-50	RV4NAYSD500A	50
241568CJ	53C3-100	RV4NAYSD101A	100
241576CJ	53C3-150	RV4NAYSD151A	150
241584CJ	53C3-250	RV4NAYSD251A	250
241592CJ	53C3-350	RV4NAYSD351A	350
183610CJ	53C3-500	RV4NAYSD501A	500
13936CJ	53C3-1k	RV4NAYSD102A	1k
241605CJ	53C3-1.5k	RV4NAYSD152A	1.5k
241613CJ	53C3-2k	RV4NAYSD202A	2k
241621CJ	53C3-2.5k	RV4NAYSD252A	2.5k
241630CJ	53C3-3.5k	RV4NAYSD352A	3.5k
13995CJ	53C3-5k	RV4NAYSD502A	5k
13952CJ	53C3-10k	RV4NAYSD103A	10k
241648CJ	53C3-15k	RV4NAYSD153A	15k
241656CJ	53C3-20k	RV4NAYSD203A	20k
241664CJ	53C3-25k	RV4NAYSD253A	25k
95417CJ	53C3-50k	RV4NAYSD503A	50k
13979CJ	53C3-100k	RV4NAYSD104A	100k
241672CJ	53C3-150k	RV4NAYSD154A	150k
241681CJ	53C3-250k	RV4NAYSD254A	250k
241699CJ	53C3-350k	RV4NAYSD354A	350k
241701CJ	53C3-500k	RV4NAYSD504A	500k
241710CJ	53C3-750k	RV4NAYSD754A	750k
241728CJ	53C3-1Meg	RV4NAYSD105A	1M
241736CJ	53C3-2Meg	RV4NAYSD205A	2M
286942CJ	53C3-3Meg	RV4NAYSD305A	3M

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1/2-Watt 24mm Linear Taper (±20%)



255476CJ



264372CJ



255610CJ

- Maximum voltage: 500V
- Rotational angle: 300° (±5°)
- Withstanding voltage for 1 minute: 500VAC

0.335"L shaft; solder lugs

Qty.	1	10	100	500
Price	$1.19	$.91	$.83	$.76

Part No.	Product No.	Ohms
255476CJ	RV24A-10-15R1-B500	500
255484CJ	RV24A-10-15R1-B1K	1k
255492CJ	RV24A-10-15R1-B2K	2k
255505CJ	RV21A-10-15R1-B2.5K	2.5k
255513CJ	RV24A-10-15R1-B5K	5k
255521CJ	RV24A-10-15R1-B10K	10k
255530CJ	RV24A-10-15R1-B25K	25k
255548CJ	RV24A-10-15R1-B50K	50k
255556CJ	RV24A-10-15R1-B100K	100k
255564CJ	RV24A-10-15R1-B250K	250k
255572CJ	RV24A-10-15R1-B500K	500k
255581CJ	RV24A-10-15R1-B1M	1M
255599CJ	RV24A-10-15R1-B2M	2M
255601CJ	RV24A-10-15R1-B5M	5M

0.531"L knurled shaft; solder lugs

Qty.	1	10	100	500
Price	$1.19	$.91	$.83	$.76

Part No.	Product No.	Ohms
264372CJ	RV24A-10-20K-B500	500
264381CJ	RV24A-10-20K-B1K	1k
264399CJ	RV24A-10-20K-B2K	2k
264401CJ	RV24A-10-20K-B5K	5k
264410CJ	RV24A-10-20K-B10K	10k
264428CJ	RV24A-10-20K-B50K	50k
264436CJ	RV24A-10-20K-B100K	100k
264444CJ	RV24A-10-20K-B250K	250k
264452CJ	RV24A-10-20K-B500K	500k
264461CJ	RV24A-10-20K-B1M	1M
264479CJ	RV24A-10-20K-B2M	2M

1.32"L shaft; solder lugs

Qty.	1	10	100	500
Price	$1.13	$.95	$.86	$.79

Part No.	Product No.	Ohms
255610CJ	RV24A-10-40R1-B500	500
255628CJ	RV24A-10-40R1-B1K	1k
255636CJ	RV24A-10-40R1-B2K	2k
255644CJ	RV24A-10-40R1-B2.5K	2.5k
255652CJ	RV24A-10-40R1-B5K	5k
255661CJ	RV24A-10-40R1-B10K	10k
255679CJ	RV24A-10-40R1-B25K	25k
255687CJ	RV24A-10-40R1-B50K	50K
255695CJ	RV24A-10-40R1-B100K	100k
255708CJ	RV24A-10-40R1-B250K	250k
255716CJ	RV24A-10-40R1-B500K	500k
255724CJ	RV24A-10-40R1-B1M	1M
255732CJ	RV24A-10-40R1-B5M	5M

1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

- Shaft length: 0.335"
- Shaft diameter: .250"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



263759CJ

Qty.	1	10	100	500
Price	$1.59	$1.36	$1.24	$1.13

Part No.	Product No.	Ohms
263759CJ	RV24A01-10-15R1-B500	500
263767CJ	RV24A01-10-15R1-B1K	1k
263775CJ	RV24A01-10-15R1-B2.5K	2.5k
263783CJ	RV24A01-10-15R1-B5K	5k
263791CJ	RV24A01-10-15R1-B10K	10k
263804CJ	RV24A01-10-15R1-B25K	25k
263812CJ	RV24A01-10-15R1-B50K	50k
263821CJ	RV24A01-10-15R1-B100K	100k
263839CJ	RV24A01-10-15R1-B250K	250k
263847CJ	RV24A01-10-15R1-B500K	500k
263855CJ	RV24A01-10-15R1-B1M	1M

1/4-Watt 24mm Audio Taper (±20%)

- Shaft length: 0.335"
- Maximum voltage: 250V
- Shaft diameter: .250"
- Terminal type: solder lugs
- Insulation resistance: >100MΩ @ 500VDC
- Rotational angle: 300° (±5°)



255396CJ

Qty.	1	10	100	500
Price	$1.19	$.91	$.83	$.76

Part No.	Product No.	Ohms
255396CJ	RV24A-10-15R1-A1K	1k
255417CJ	RV24A-10-15R1-A5K	5k
255425CJ	RV24A-10-15R1-A10K	10k
255433CJ	RV24A-10-15R1-A50K	50k
255441CJ	RV24A-10-15R1-A100K	100k
255450CJ	RV24A-10-15R1-A500K	500k
255468CJ	RV24A-10-15R1-A1M	1M

1/4-Watt 24mm Audio Taper with SPST Switch (±20%)

- Shaft length: 0.590"
- Voltage rating: 250V
- Shaft diameter: .250"
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



263601CJ

Qty.	1	10	100	500
Price	$1.59	$1.36	$1.24	$1.13

Part No.	Product No.	Ohms
263601CJ	RV24A01-10-15R1-A1K	1k
263610CJ	RV24A01-10-15R1-A5K	5k
263636CJ	RV24A01-10-15R1-A10K	10k
263644CJ	RV24A01-10-15R1-A50K	50k
263652CJ	RV24A01-10-15R1-A100K	100k
263661CJ	RV24A01-10-15R1-A500K	500k
263679CJ	RV24A01-10-15R1-A1M	1M

Instrumentation Knobs
See page 154



1/5-Watt 16mm Linear Taper (±20%)

- Shaft Length: 0.335"L
- Rated voltage: 200V
- Shaft diameter: .250"
- Total rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Center detent
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute


286352CJ

Qty.	1	10	100	500
Price	$1.35	$1.13	$1.04	$.94

Part No.	Product No.	Ohms
286352CJ	RV16A-10-15R1-B1K-OC	1k
286361CJ	RV16A-10-15R1-B2K-OC	2k
286379CJ	RV16A-10-15R1-B5K-OC	5k
286387CJ	RV16A-10-15R1-B10K-OC	10k
286395CJ	RV16A-10-15R1-B25K-OC	25k
286408CJ	RV16A-10-15R1-B50K-OC	50k
286416CJ	RV16A-10-15R1-B100K-OC	100k
286424CJ	RV16A-10-15R1-B250K-OC	250k
286432CJ	RV16A-10-15R1-B500K-OC	500k
286441CJ	RV16A-10-15R1-B1M-OC	1M

1/5-Watt 16mm Linear Taper (±20%)

- Shaft Length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotational angle: 300˚ (±5˚)
- Insulation resistance: >100MΩ @500VDC
- 11-detent position
- Withstanding voltage: 500VAC, 1 minute


286459CJ

Qty.	1	10	100	500
Price	$1.65	$1.38	$1.25	$1.13

Part No.	Product No.	Ohms
286459CJ	RV16A-10-15R1-B1K-OD	1k
286467CJ	RV16A-10-15R1-B2K-OD	2k
286475CJ	RV16A-10-15R1-B5K-OD	5k
286483CJ	RV16A-10-15R1-B10K-OD	10k
286491CJ	RV16A-10-15R1-B25K-OD	25k
286504CJ	RV16A-10-15R1-B50K-OD	50k
286512CJ	RV16A-10-15R1-B100K-OD	100k
286521CJ	RV16A-10-15R1-B250K-OD	250k
286539CJ	RV16A-10-15R1-B500K-OD	500k
286547CJ	RV16A-10-15R1-B1M-OD	1M

1/5-Watt 16mm Linear Taper with DPDT Switch (±20%)

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Terminal type: solder lugs
- Switch rating: 0.3A; 30VDC
- Rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Dielectric strength: 500VAC for 1 minute

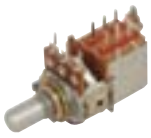

286660CJ

Qty.	1	10	100	500
Price	$3.55	$2.96	$2.70	$2.45

Part No.	Product No.	Ohms
286660CJ	RV16B-10-15R1-B1K	1k
286678CJ	RV16B-10-15R1-B5K	5k
286686CJ	RV16B-10-15R1-B10K	10k
286694CJ	RV16B-10-15R1-B50K	50k
286707CJ	RV16B-10-15R1-B100K	100k

1/5-Watt 16mm Linear Taper with DPDT Switch (±20%)

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Terminal type: PC terminals (horizontal)
- Switch rating: 0.3A; 30VDC
- Rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Dielectric strength: 500VAC for 1 minute


286740CJ

Qty.	1	10	100	500
Price	$3.55	$2.96	$2.70	$2.45

Part No.	Product No.	Ohms
286731CJ	RV16B-20-15R1-B10K	10k
286740CJ	RV16B-20-15R1-B50K	50K
286758CJ	RV16B-20-15R1-B100K	100k

1/5-Watt 16mm Linear Taper (±20%)

- Shaft Length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotation angle: 300˚ (±5˚)
- Rotational life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute


286256CJ

Qty.	1	10	100	500
Price	$1.15	$1.00	$.87	$.80

Part No.	Product No.	Ohms
286248CJ	RV16A-10-15R1-B1K	1k
286256CJ	RV16A-10-15R1-B2K	2k
286264CJ	RV16A-10-15R1-B5K	5k
286272CJ	RV16A-10-15R1-B10K	10k
286281CJ	RV16A-10-15R1-B25K	25k
286299CJ	RV16A-10-15R1-B50K	50k
286301CJ	RV16A-10-15R1-B100K	100k
286310CJ	RV16A-10-15R1-B250K	250k
286328CJ	RV16A-10-15R1-B500K	500k
286336CJ	RV16A-10-15R1-B1M	1M
286344CJ	RV16A-10-15R1-B1.2M	1.2M

1/5-Watt 16mm Linear Taper with SPST Switch (±20%)

- Shaft Length: 0.374"
- Rated voltage: 200V
- Shaft diameter: .250"
- Terminal type: PC terminal (vertical; back)
- Total rotation angle: 270˚ (±5˚)
- Rotation life: 100,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Switch contact resistance: <100mΩ
- Switch rating: 250VAC 10A


286766CJ

Qty.	1	10	100	500
Price	$2.25	$1.90	$1.73	$1.57

Part No.	Product No.	Ohms
286766CJ	RV16C-40-16F1-B5K	5k
286774CJ	RV16C-40-16F1-B10K	10k
286782CJ	RV16C-40-16F1-B50K	50k
286791CJ	RV16C-40-16F1-B500K	500k

1/8-Watt 16mm Linear Taper

- Shaft length: 0.531"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotational angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Tolerance: <1MΩ (±20%); ≥1MΩ (±30%)
- Dielectric strength: 500VAC for 1 minute


286061CJ

Qty.	1	10	100	500
Price	$1.19	$1.00	$.83	$.70

Part No.	Product No.	Ohms
286061CJ	RV16A-10-20R1-B1K	1k
286184CJ	RV16A-10-20R1-B2K	2k
286192CJ	RV16A-10-20R1-B5K	5k
286205CJ	RV16A-10-20R1-B10K	10k
286213CJ	RV16A-10-20R1-B50K	50k
286854CJ	RV16A-10-20R1-B100K	100k
286221CJ	RV16A-10-20R1-B500K	500k
286230CJ	RV16A-10-20R1-B1M	1M

1/8-Watt 16mm Linear Taper with SPST Switch (±20%)

- Shaft Length: 0.335"
- Shaft diameter: .250"
- Terminal type: solder lugs double row
- Rated voltage: 200V
- Total rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- Switch contact resistance: 20mΩ
- Switch rating: 12VDC/1A


286598CJ

Qty.	1	10	100	500
Price	$1.95	$1.62	$1.47	$1.34

Part No.	Product No.	Ohms
286598CJ	RV16A03-10-15R1-B1K	1k
286601CJ	RV16A03-10-15R1-B5K	5k
286619CJ	RV16A03-10-15R1-B10K	10k
286627CJ	RV16A03-10-15R1-B50K	50k
286635CJ	RV16A03-10-15R1-B100K	100k
286643CJ	RV16A03-10-15R1-B500K	500k
286651CJ	RV16A03-10-15R1-B1M	1M

1/10-Watt 16mm Audio Taper (±20%)

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotational angle: 300˚ (±5˚)
- Rotational life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- 11-detent positions


286555CJ

Qty.	1	10	100	500
Price	$1.65	$1.38	$1.25	$1.13

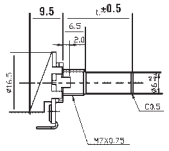
Part No.	Product No.	Ohms
286555CJ	RV16A-10-15R1-A10K-OD	10k
286563CJ	RV16A-10-15R1-A50K-OD	50k
286571CJ	RV16A-10-15R1-A100K-OD	100k
286580CJ	RV16A-10-15R1-A1M-OD	1M

1/5-Watt 16mm Linear Taper (±20%)

- Insulation resistance: 100MΩ @ 500VDC
- Number of detents: 10
- Maximum panel thickness: 0.15"
- Shaft length: 0.605"
- Maximum operating voltage: 150VAC
- Shaft diameter: 0.235"
- Rotational life: 15,000 cycles
- Mounting hole: 0.27"

Includes: Mounting hardware





Part No.	Mfr. Cross Ref.	Ohms	1	10	100	500
163563CJ	PMD401	10k	$1.65	$1.49	$1.35	$1.09

2-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10˚C to +70˚C
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Non-rotational key
- Length: 0.825"
- Base length: 0.25"

Includes: Mounting hardware



123959CJ

Part No.	Mfr. Cross Ref.	Ohms	1	10	100	500
123959CJ	PT1K	1k	$3.29	$2.99	$2.65	$2.39
123967CJ	PT5K	5k	3.29	2.99	2.65	2.39

5-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10˚C to 70˚C
- Shaft diameter: 0.23" (6mm)
- Shaft length: 0.67", except P/N 140521CJ (0.25")
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"

Includes: Mounting hardware



140513CJ

Part No.	Mfr. Cross Ref.	Ohms	1	10	50	100
140513CJ	PW5B100	100	$2.79	$2.35	$2.25	$2.10
140521CJ	PW5B500	500	2.79	2.35	2.25	2.10

2-Watt Linear Taper Wire Wound (10-turn)

- Resistance tolerance: ±10%
- 10-turn; wirewound
- Load life: 1000 hours, 2W
- Insulation resistance: (500VDC) 1000MΩ minimum
- Absolute minimum resistance: 1Ω or 0.1% maximum



183548CJ

Part No.	Product No.	Ohms	1	10	50
183548CJ	3540S-1-502	5k	$12.79	$12.35	$12.26
183521CJ	3540S-1-103	10k	12.79	12.35	12.26

Potentiometer Component Kits

See page 89.



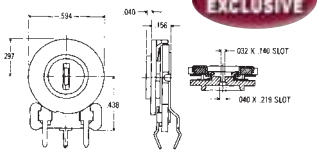


1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount



94692CJ



- 15mm thick
- Power rating: below 5kΩ – 1/4 watt @ 40˚C; 5kΩ & above – 1/4 watt @ 55˚C
- Total rotation: 260˚ ±5˚
- Voltage rating: 350 VDC

Cross Reference Chart

Equivalent to:	
CTS	X201R
Bourns	3355X
PIHER	PT15

Qty.	1	10	100	500
Price	$.45	$.39	$.35	$.29

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
94692CJ	X201R1K	1k	172136CJ	X201R25K	25k
35502CJ	X201R252B	2.5k	94721CJ	X201R50K	50k
94705CJ	X201R5K	5k	94730CJ	X201R100K	100k
94713CJ	X201R10K	10k			

Other Manufacturers — Great Deals

Part No.	Mfr. Cross Ref.	Ohms	1	10	100
313664CJ	201R50K ✪	50k	$.32	$.256	$.238

✪ Blue Part No. = Limited Quantity Available

1/2-Watt Trimming Potentiometers (±10%)

3362P Series

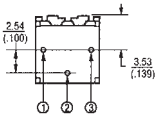
- Linear taper
- Insulation resistance: 500VDC 1,000MΩ minimum
- Absolute minimum resistance:1% or 2Ω maximum
- Contact resistance variation: 1% or 3Ω maximum
- Rotational life: 200 cycles
- Terminals: solderable pins
- Top adjustment: 240˚ nominal
- Wiper positioning: 50% nominal



191644CJ

Cross Reference Chart

Equivalent to:	
Bourns	3362P
Copal	CT-6P
Murata	PVC6
Vishay	76

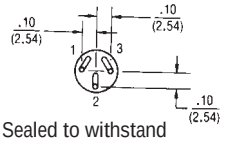


Qty.	1	10	100	500
Price	$.69	$.62	$.47	$.42

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
191644CJ	3362P-200	20	182836CJ	3362P-103	10k
189341CJ	3362P-500	50	182844CJ	3362P-204	200k
182810CJ	3362P-501	500	182852CJ	3362P-105	1M
182828CJ	3362P-502	5k			

1/2-Watt, 1/4" Round, Cermet (±10%)

3329P Series Value Equivalents



- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55˚C to +150˚C
- TO-5 grid • Top adjustment
- Terminals: solderable pins

Cross Ref. Chart

Equivalent to:	
Beckman	82M
Bourns	3329P
Mepcopal	8050
MEC	471
Murata	3321P
Spectrol	62-3
VRN	171
Weston	567



95484CJ

Qty.	1	10	100	500
Price	$1.89	$1.59	$1.29	$1.19

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
95441CJ	3329P-102	1k	96719CJ	3329P-103	10k
95450CJ	3329P-502	5k	95484CJ	3329P-104	100k

1/2-Watt, 3/8" Square, Single-Turn Cermet (±10%)

- Top adjustment
- 1/2 watt linear taper @ 70˚C
- PC pins: .100" grid (2.54mm)
- Temperature range: -55˚C to +125˚C
- Sealed to guard against contaminants
- Pin spacing: 0.1" († P/N 43060CJ and P/N 105216CJ: 0.2")



42964CJ

Cross Ref. Chart

Equivalent to:	
Allen Bradley	E2B
Beckman	72PR
Bourns	3386P
Mepcopal	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P

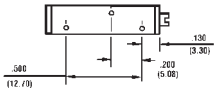
Quantity SAVE

Part No.	Mfr. Cross Ref. No.	Ohms	1	10	100	500
43123CJ	63P500	500	$.85	$.79	$.69	$.49
42964CJ	63P1K	1k	.85	.79	.69	.49
43043CJ	63P2K	2k	.85	.79	.69	.49
43078CJ	63P5K	5k	.85	.79	.69	.49
43001CJ	63P10K	10k	.85	.79	.69	.49
43051CJ	63P20K	20k	.85	.79	.69	.49
43107CJ	63P50K	50k	.85	.79	.69	.49
43027CJ	63P100K	100k	.85	.79	.69	.49
43060CJ	63P300K†	300k	.85	.79	.69	.49
63212CJ	63P500K	500k	.85	.79	.69	.49
42981CJ	63P1MEG	1M	.85	.79	.69	.49
105216CJ	63P2MEG†	2M	.85	.79	.69	.49

3/4-Watt, 3/4" Rectangular 15-Turn Linear Cermet (±10%)



41911CJ



Cross Ref. Chart

Equivalent to:	
Allen Bradley	94P
Beckman	89PR
Bourns	3006P
Litton	6034Y
Mepcopal	8034
Murata	2101P
Spectrol	43P
VRN	961-20
Weston	830P

- PC pins: .100" grid (2.54mm)
- Side adjustment
- Temperature range: -55˚C to +125˚C
- Sealed to guard against contaminants

Qty.	1	10	100	500
Price	$1.05	$.99	$.89	$.75

Part No	Cross Ref No.	Ohms	Part No	Cross Ref No.	Ohms
181972CJ	43P201	200	41873CJ	43P20K	20k
41937CJ	43P500	500	41911CJ	43P50K	50k
41785CJ	43P1K	1k	41849CJ	43P100K	100k
41865CJ	43P2K	2k	63001CJ	43P200K	200k
41890CJ	43P5K	5k	41953CJ	43P500K	500k
41822CJ	43P10K	10k	41806CJ	43P1MEG	1M

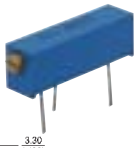
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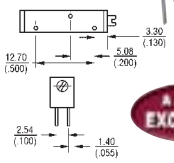
1-800-831-4242

3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Potentiometer Side Adjustment (±10%)

3006P Series Value Equivalents



- Low PC board profile
- Temperature range: -55°C to 125°C
- Absolute minimum resistance: 1% or 2Ω
- Contact resistance variation: 1% or 1Ω maximum
- Power rating: 0.75W @ 70°C (400V maximum)



A Jameco EXCLUSIVE

Qty.	1	10	50	100
Price	$1.25	$1.15	$.99	$.89

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
241234CJ	3006P-101	100	241314CJ	3006P-253	25k
241242CJ	3006P-201	200	241322CJ	3006P-503	50k
241251CJ	3006P-501	500	241331CJ	3006P-104	100k
241269CJ	3006P-102	1k	241349CJ	3006P-204	200k
241277CJ	3006P-202	2k	241357CJ	3006P-254	250k
241285CJ	3006P-502	5k	241365CJ	3006P-504	500k
241293CJ	3006P-103	10k	241373CJ	3006P-105	1M
241306CJ	3006P-203	20k			

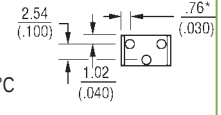
1/4-Watt, 1/4" Square Trimming Potentiometers, Top Adjustment (±10%)

3266W Series Value Equivalents



- Resistance tolerance: ±10%
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ minimum
- Contact resistance variation: 3% or 3Ω maximum (whichever is greater)
- Absolute min. resistance: 1% or 2Ω maximum (whichever is greater)
- Power rating: 0.25W @ 70°C (300V maximum)

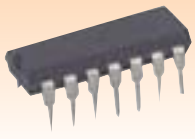
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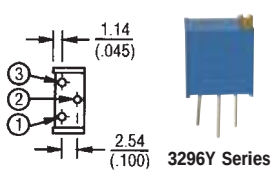
Qty.	1	10	50	100
Price	$2.29	$1.99	$1.93	$1.83

Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
254609CJ	3266W-500	50	254684CJ	3266W-203	20k
254617CJ	3266W-101	100	254692CJ	3266W-253	25k
254625CJ	3266W-201	200	254705CJ	3266W-503	50k
254633CJ	3266W-501	500	254713CJ	3266W-104	100k
254641CJ	3266W-102	1k	254721CJ	3266W-204	200k
254650CJ	3266W-202	2k	254730CJ	3266W-504	500k
254668CJ	3266W-502	5k	254748CJ	3266W-105	1M
254676CJ	3266W-103	10k			

See page 46 for Digital Potentiometers.



1/2-Watt, 3/8" Square, Multi-Turn Trimming Potentiometers, Top Adjustment (±10%)



3296Y, 3299W, and 3299Y Series

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1000MΩ min.
- Absolute minimum resistance: 1% or 2Ω max.
- 25 turns nominal
- Contact resistance variation: 1% or 3Ω max.
- Power rating: 0.5W @ 70°C (300V max.)

Attention Budget-Minded Buyers!

Jameco now offers high-quality Bourns® equivalents below, and they're priced to save you money. You'll get consistent form, fit and function, without paying the added surcharge for brand name components.

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Bourns® Potentiometers

Jameco now offers a broad selection of industry-renowned Bourns multi-turn potentiometers below. They're ideal for integration into devices requiring high-precision pots.

Lower $$$

JAMECO ValuePro 3296Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	~~$1.89~~ $1.69	$1.56	$1.42	$1.28

Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
240696CJ	3296Y-100	10	240784CJ	3296Y-103	10k
240709CJ	3296Y-200	20	240792CJ	3296Y-203	20k
240717CJ	3296Y-500	50	240805CJ	3296Y-253	25k
240725CJ	3296Y-101	100	240813CJ	3296Y-503	50k
240733CJ	3296Y-201	200	240821CJ	3296Y-104	100k
240741CJ	3296Y-501	500	240830CJ	3296Y-254	250k
240750CJ	3296Y-102	1k	240848CJ	3296Y-504	500k
240768CJ	3296Y-202	2k	240856CJ	3296Y-105	1M
240776CJ	3296Y-502	5k	240864CJ	3296Y-205	2M

JAMECO ValuePro 3299W – In-Line Solder Pins

Qty.	1	10	50	100
Price	$1.99	$1.82	$1.53	$1.35

Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
241058CJ	3299W-100	10	241146CJ	3299W-103	10k
241066CJ	3299W-200	20	241154CJ	3299W-203	20k
241074CJ	3299W-500	50	241162CJ	3299W-253	25k
241082CJ	3299W-101	100	241171CJ	3299W-503	50k
241091CJ	3299W-201	200	241189CJ	3299W-104	100k
241103CJ	3299W-501	500	241197CJ	3299W-254	250k
241111CJ	3299W-102	1k	241200CJ	3299W-504	500k
241120CJ	3299W-202	2k	241218CJ	3299W-105	1M
241138CJ	3299W-502	5k	241226CJ	3299W-205	2M

JAMECO ValuePro 3299Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	$1.99	$1.82	$1.53	$1.35

Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
240872CJ	3299Y-100	10	240961CJ	3299Y-103	10k
240881CJ	3299Y-200	20	240979CJ	3299Y-203	20k
240899CJ	3299Y-500	50	240987CJ	3299Y-253	25k
240901CJ	3299Y-101	100	240995CJ	3299Y-503	50k
240910CJ	3299Y-201	200	191409CJ	3299Y-104	100k
191417CJ	3299Y-501	500	241015CJ	3299Y-254	250k
191396CJ	3299Y-102	1k	241023CJ	3299Y-504	500k
240944CJ	3299Y-202	2k	241031CJ	3299Y-105	1M
191425CJ	3299Y-502	5k	241040CJ	3299Y-205	2M

BOURNS 3296Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	$1.99	$1.85	$1.66	$1.49

Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
240338CJ	3296Y-1-100	10	240426CJ	3296Y-1-103	10k
240346CJ	3296Y-1-200	20	240434CJ	3296Y-1-203	20k
240354CJ	3296Y-1-500	50	240442CJ	3296Y-1-253	25k
240362CJ	3296Y-1-101	100	240451CJ	3296Y-1-503	50k
240371CJ	3296Y-1-201	200	240469CJ	3296Y-1-104	100k
240389CJ	3296Y-1-501	500	240477CJ	3296Y-1-254	250k
240397CJ	3296Y-1-102	1k	240485CJ	3296Y-1-504	500k
240400CJ	3296Y-1-202	2k	240493CJ	3296Y-1-105	1M
240418CJ	3296Y-1-502	5k	240506CJ	3296Y-1-205	2M

BOURNS 3299W – In-Line Solder Pins

Qty.	1	10	50	100
Price	$2.39	$2.25	$1.99	$1.79

Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
238553CJ	3299W-1-100	10	183564CJ	3299W-1-103	10k
238561CJ	3299W-1-200	20	238633CJ	3299W-1-203	20k
238570CJ	3299W-1-500	50	238641CJ	3299W-1-253	25k
238588CJ	3299W-1-101	100	238650CJ	3299W-1-503	50k
238596CJ	3299W-1-201	200	183572CJ	3299W-1-104	100k
238609CJ	3299W-1-501	500	238668CJ	3299W-1-254	250k
183556CJ	3299W-1-102	1k	238676CJ	3299W-1-504	500k
238617CJ	3299W-1-202	2k	238684CJ	3299W-1-105	1M
238625CJ	3299W-1-502	5k	238692CJ	3299W-1-205	2M

BOURNS 3299Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	$2.39	$2.19	$1.79	$1.59

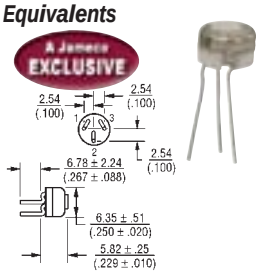
Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
240514CJ	3299Y-1-100	10	240602CJ	3299Y-1-103	10k
240522CJ	3299Y-1-200	20	240611CJ	3299Y-1-203	20k
240531CJ	3299Y-1-500	50	240629CJ	3299Y-1-253	25k
240549CJ	3299Y-1-101	100	240637CJ	3299Y-1-503	50k
240557CJ	3299Y-1-201	200	240645CJ	3299Y-1-104	100k
240565CJ	3299Y-1-501	500	240653CJ	3299Y-1-254	250k
240573CJ	3299Y-1-102	1k	240661CJ	3299Y-1-504	500k
240581CJ	3299Y-1-202	2k	240670CJ	3299Y-1-105	1M
240590CJ	3299Y-1-502	5k	240688CJ	3299Y-1-205	2M

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1/2-Watt, 1/4" Round, Cermet Potentiometers Top Adjustment (±10%)

3329P Series Value Equivalents

- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55˚C to +150˚C
- TO-5 grid
- Terminals: solderable pins



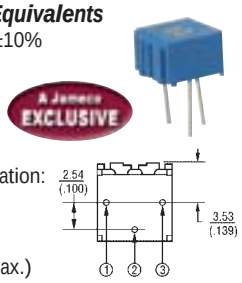
Qty.	1	10	50	100
Price	$1.69	$1.53	$1.29	$1.21

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
254457CJ	3329P-500	50	254537CJ	3329P-203	20k
254465CJ	3329P-101	100	254545CJ	3329P-253	25k
254473CJ	3329P-201	200	254553CJ	3329P-503	50k
254481CJ	3329P-501	500	254561CJ	3329P-104	100k
254490CJ	3329P-102	1k	254570CJ	3329P-204	200k
254502CJ	3329P-202	2k	254588CJ	3329P-504	500k
254511CJ	3329P-502	5k	254596CJ	3329P-105	1M
254529CJ	3329P-103	10k			

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers Top Adjustment (±10%)

3362P Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ
- Absolute minimum resistance: 1% or 2Ω (whichever is greater)
- Contact resistance variation: 1% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 70°C (300V max.)



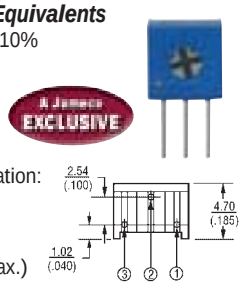
Qty.	1	10	50	100
Price	$.59	$.55	$.45	$.42

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
253964CJ	3362P-101	100	254001CJ	3362P-203	20k
253972CJ	3362P-201	200	254019CJ	3362P-253	25k
254078CJ	3362P-501	500	254027CJ	3362P-503	50k
253981CJ	3362P-102	1k	254035CJ	3362P-104	100k
253999CJ	3362P-202	2k	254107CJ	3362P-204	200k
254086CJ	3362P-502	5k	254043CJ	3362P-504	500k
254094CJ	3362P-103	10k	254115CJ	3362P-105	1M

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers Side Adjustment (±10%)

3362W Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ
- Absolute minimum resistance: 1% or 2Ω (whichever is greater)
- Contact resistance variation: 1% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 70°C (300V max.)



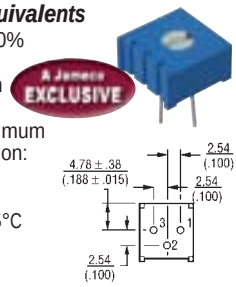
Qty.	1	10	50	100
Price	$.59	$.54	$.45	$.41

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
254140CJ	3362W-101	100	254211CJ	3362W-203	20k
254158CJ	3362W-201	200	254220CJ	3362W-253	25k
254166CJ	3362W-501	500	254238CJ	3362W-503	50k
254174CJ	3362W-102	1k	254246CJ	3362W-104	100k
254182CJ	3362W-202	2k	254254CJ	3362W-204	200k
254191CJ	3362W-502	5k	254262CJ	3362W-504	500k
254203CJ	3362W-103	10k	254271CJ	3362W-105	1M

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers Top Adjustment (±10%)

3386P Series Value Equivalents

- Resistance tolerance: ±10%
- Absolute minimum resistance: 2Ω maximum
- Insulation resistance: (500VDC) 1,000MΩ minimum
- Contact resistance variation: 2% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 85°C (300V maximum)



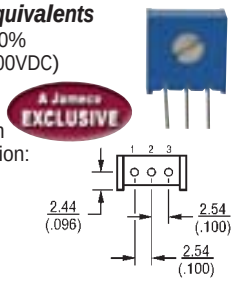
Qty.	1	10	50	100
Price	$.85	$.76	$.67	$.64

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
254289CJ	3386P-500	50	254377CJ	3386P-253	25k
254297CJ	3386P-101	100	254385CJ	3386P-503	50k
254300CJ	3386P-201	200	254393CJ	3386P-104	100k
254318CJ	3386P-501	500	254406CJ	3386P-204	200k
254326CJ	3386P-102	1k	254414CJ	3386P-254	250k
254334CJ	3386P-202	2k	254422CJ	3386P-504	500k
254342CJ	3386P-502	5k	254431CJ	3386P-105	1M
254351CJ	3386P-103	10k	254449CJ	3386P-205	2M
254369CJ	3386P-203	20k			

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers Side Adjustment (±10%)

3386W Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ minimum
- Absolute minimum resistance: 2Ω maximum
- Contact resistance variation: 2% or 3Ω maximum (whichever is greater)
- Adjustment angle: 280˚ nominal



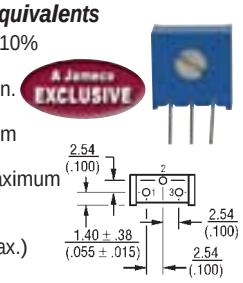
Qty.	1	10	50	100
Price	$.89	$.79	$.69	$.65

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
241381CJ	3386W-500	50	241470CJ	3386W-253	25k
241390CJ	3386W-101	100	241488CJ	3386W-503	50k
241402CJ	3386W-201	200	241496CJ	3386W-104	100k
241411CJ	3386W-501	500	241509CJ	3386W-204	200k
241429CJ	3386W-102	1k	241517CJ	3386W-254	250k
241437CJ	3386W-202	2k	241525CJ	3386W-504	500k
241445CJ	3386W-502	5k	241533CJ	3386W-105	1M
241453CJ	3386W-103	10k	241541CJ	3386W-205	2M
241461CJ	3386W-203	20k			

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers Side Adjustment (±10%)

3386X Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ min.
- Absolute minimum resistance: 2Ω maximum
- Contact resistance variation: 2% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 85°C (300V max.)



Qty.	1	10	50	100
Price	$.85	$.76	$.67	$.64

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
264604CJ	3386X-500	50	264698CJ	3386X-253	25k
264612CJ	3386X-101	100	264701CJ	3386X-503	50k
264621CJ	3386X-201	200	264719CJ	3386X-104	100k
264639CJ	3386X-501	500	264727CJ	3386X-204	200k
264647CJ	3386X-102	1k	264735CJ	3386X-254	250k
264655CJ	3386X-202	2k	264743CJ	3386X-504	500k
264663CJ	3386X-502	5k	264751CJ	3386X-105	1M
264671CJ	3386X-103	10k	264760CJ	3386X-205	2M
264680CJ	3386X-203	20k			



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Horizontal Vertical

2100 Series

NEW

Part No.	Mfr. Cross Ref. No.	L (µH) @ 1KHz	IDC max. (A)	RDC max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
371741CJ	2101-V	10.0	10.8	0.006	0.34	0.053	$1.69	$1.03	$.74
371506CJ	2101-H	10.0	10.8	0.006	0.77	0.053	1.69	1.03	.74
371750CJ	2102-V	12.0	10.3	0.007	0.34	0.053	1.69	1.04	.74
371514CJ	2102-H	12.0	10.3	0.007	0.77	0.053	1.69	1.04	.74
371768CJ	2103-V	15.0	7.7	0.012	0.33	0.042	1.69	1.04	.74
371522CJ	2103-H	15.0	7.7	0.012	0.76	0.042	1.69	1.04	.74
371776CJ	2104-V	18.0	7.4	0.013	0.33	0.042	1.69	1.04	.74
371531CJ	2104-H	18.0	7.4	0.013	0.76	0.042	1.69	1.04	.74
371784CJ	2105-V	22.0	7.0	0.015	0.33	0.042	1.69	1.04	.74
371549CJ	2105-H	22.0	7.0	0.015	0.76	0.042	1.69	1.04	.74
371792CJ	2106-V	27.0	5.3	0.026	0.32	0.034	1.69	1.04	.74
371557CJ	2106-H	27.0	5.3	0.026	0.75	0.034	1.69	1.04	.74
371805CJ	2107-V	33.0	5.0	0.029	0.32	0.034	1.69	1.04	.74
371565CJ	2107-H	33.0	5.0	0.029	0.75	0.034	1.69	1.04	.74
371813CJ	2108-V	39.0	4.8	0.032	0.32	0.034	1.69	1.04	.74
371573CJ	2108-H	39.0	4.8	0.032	0.75	0.034	1.69	1.04	.74
371821CJ	2109-V	47.0	3.6	0.055	0.31	0.027	1.69	1.04	.74
371581CJ	2109-H	47.0	3.6	0.055	0.75	0.027	1.69	1.04	.74
371830CJ	2110-V	56.0	3.4	0.060	0.31	0.027	1.69	1.04	.74
371590CJ	2110-H	56.0	3.4	0.060	0.75	0.027	1.69	1.04	.74
371848CJ	2111-V	68.0	3.3	0.067	0.31	0.027	1.69	1.04	.74
371602CJ	2111-H	68.0	3.3	0.067	0.75	0.027	1.69	1.04	.74
371856CJ	2112-V	100.0	2.4	0.13	0.31	0.022	1.69	1.04	.74
371611CJ	2112-H	100.0	2.4	0.13	0.74	0.022	1.69	1.04	.74
371864CJ	2113-V	120.0	2.2	0.15	0.31	0.022	1.69	1.04	.74
371629CJ	2113-H	120.0	2.2	0.15	0.74	0.022	1.69	1.04	.74
371872CJ	2114-V	150.0	3.4	0.062	0.35	0.034	1.69	1.04	.74
371637CJ	2114-H	150.0	3.4	0.062	0.79	0.034	1.69	1.04	.74
371881CJ	2115-V	180.0	2.6	0.11	0.34	0.027	1.69	1.04	.74
371645CJ	2115-H	180.0	2.6	0.11	0.77	0.027	1.69	1.04	.74
371899CJ	2116-V	220.0	2.4	0.12	0.34	0.027	1.69	1.04	.74
371653CJ	2116-H	220.0	2.4	0.12	0.77	0.027	1.69	1.04	.74
371901CJ	2117-V	270.0	1.8	0.21	0.33	0.022	1.89	1.17	.84
371661CJ	2117-H	270.0	1.8	0.21	0.76	0.022	1.89	1.17	.84
371910CJ	2118-V	330.0	1.7	0.23	0.33	0.022	1.89	1.17	.84
371670CJ	2118-H	330.0	1.7	0.23	0.76	0.022	1.89	1.17	.84
371928CJ	2119-V	390.0	1.7	0.25	0.33	0.022	1.89	1.17	.84
371688CJ	2119-H	390.0	1.7	0.25	0.76	0.022	1.89	1.17	.84
371936CJ	2120-V	470.0	1.6	0.28	0.35	0.022	1.89	1.17	.84
371696CJ	2120-H	470.0	1.6	0.28	0.76	0.022	1.89	1.17	.84
371944CJ	2121-V	560.0	1.5	0.30	0.35	0.022	1.89	1.17	.84
371709CJ	2121-H	560.0	1.5	0.30	0.79	0.022	1.89	1.17	.84
371952CJ	2122-V	680.0	1.4	0.33	0.35	0.022	1.89	1.17	.84
371717CJ	2122-H	680.0	1.4	0.33	0.79	0.022	1.89	1.17	.84
371961CJ	2123-V	820.0	1.4	0.37	0.35	0.022	1.89	1.17	.84
371725CJ	2123-H	820.0	1.4	0.37	0.79	0.022	1.89	1.17	.84
371979CJ	2124-V	1000.0	1.3	0.40	0.37	0.022	1.89	1.17	.84
371733CJ	2124-H	1000.0	1.3	0.40	0.81	0.022	1.89	1.17	.84

2200 Series

371266CJ	2201-V	10.0	12.5	0.007	0.46	0.053	$2.15	$1.31	$.93
371021CJ	2201-H	10.0	12.5	0.007	0.88	0.053	2.15	1.31	.93
371274CJ	2202-V	12.0	12.0	0.008	0.46	0.053	2.15	1.31	.93
371039CJ	2202-H	12.0	12.0	0.008	0.88	0.053	2.15	1.31	.93
371282CJ	2203-V	15.0	11.3	0.008	0.46	0.053	2.15	1.31	.93
371047CJ	2203-H	15.0	11.3	0.008	0.88	0.053	2.15	1.31	.93
371291CJ	2204-V	18.0	10.8	0.009	0.46	0.053	2.15	1.31	.93
371055CJ	2204-H	18.0	10.8	0.009	0.88	0.053	2.15	1.31	.93
371303CJ	2205-V	22.0	10.3	0.010	0.46	0.053	2.15	1.31	.93
371063CJ	2205-H	22.0	10.3	0.010	0.88	0.053	2.15	1.31	.93

2200 Series (Continued)

NEW

Part No.	Mfr. Cross Ref. No.	L (µH) @ 1KHz	IDC max. (A)	RDC max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
371311CJ	2206-V	27.0	9.8	0.011	0.46	0.053	$2.15	$1.31	$.93
371071CJ	2206-H	27.0	9.8	0.011	0.88	0.053	2.15	1.31	.93
371320CJ	2207-V	33.0	7.4	0.020	0.45	0.042	2.15	1.31	.93
371080CJ	2207-H	33.0	7.4	0.020	0.87	0.042	2.15	1.31	.93
371338CJ	2208-V	39.0	7.1	0.022	0.45	0.042	2.15	1.31	.93
371098CJ	2208-H	39.0	7.1	0.022	0.87	0.042	2.15	1.31	.93
371346CJ	2209-V	47.0	6.7	0.024	0.45	0.042	2.15	1.31	.93
371101CJ	2209-H	47.0	6.7	0.024	0.87	0.042	2.15	1.31	.93
371354CJ	2210-V	56.0	6.4	0.026	0.45	0.042	2.15	1.31	.93
371119CJ	2210-H	56.0	6.4	0.026	0.87	0.042	2.15	1.31	.93
371362CJ	2211-V	68.0	4.9	0.046	0.44	0.034	2.15	1.31	.93
371127CJ	2211-H	68.0	4.9	0.046	0.86	0.034	2.15	1.31	.93
371371CJ	2212-V	100.0	4.4	0.056	0.44	0.034	2.15	1.31	.93
371135CJ	2212-H	100.0	4.4	0.056	0.86	0.034	2.15	1.31	.93
371389CJ	2213-V	120.0	3.3	0.098	0.44	0.027	2.15	1.31	.93
371143CJ	2213-H	120.0	3.3	0.098	0.86	0.027	2.15	1.31	.93
371397CJ	2214-V	150.0	3.1	0.11	0.44	0.027	2.15	1.31	.93
371151CJ	2214-H	150.0	3.1	0.11	0.86	0.027	2.15	1.31	.93
371400CJ	2215-V	180.0	3.8	0.075	0.48	0.034	2.15	1.31	.93
371160CJ	2215-H	180.0	3.8	0.075	0.90	0.034	2.15	1.31	.93
371418CJ	2216-V	220.0	3.6	0.083	0.48	0.034	2.15	1.31	.93
371178CJ	2216-H	220.0	3.6	0.083	0.90	0.034	2.15	1.31	.93
371426CJ	2217-V	270.0	3.4	0.092	0.48	0.034	2.35	1.45	1.03
371186CJ	2217-H	270.0	3.4	0.092	0.90	0.034	2.35	1.45	1.03
371434CJ	2218-V	330.0	3.3	0.10	0.48	0.034	2.35	1.45	1.03
371194CJ	2218-H	330.0	3.3	0.10	0.90	0.034	2.35	1.45	1.03
371442CJ	2219-V	390.0	2.5	0.18	0.46	0.027	2.35	1.45	1.03
371207CJ	2219-H	390.0	2.5	0.18	0.88	0.027	2.35	1.45	1.03
371451CJ	2220-V	470.0	2.3	0.19	0.46	0.027	2.35	1.45	1.03
371215CJ	2220-H	470.0	2.3	0.19	0.88	0.027	2.35	1.45	1.03
371469CJ	2221-V	560.0	2.2	0.21	0.46	0.027	2.35	1.45	1.03
371223CJ	2221-H	560.0	2.2	0.21	0.88	0.027	2.35	1.45	1.03
371477CJ	2222-V	680.0	2.1	0.23	0.49	0.027	2.35	1.45	1.03
371231CJ	2222-H	680.0	2.1	0.23	0.91	0.027	2.35	1.45	1.03
371485CJ	2223-V	820.0	2.0	0.26	0.49	0.027	2.35	1.45	1.03
371240CJ	2223-H	820.0	2.0	0.26	0.91	0.027	2.35	1.45	1.03
371493CJ	2224-V	1000.0	1.9	0.28	0.49	0.027	2.35	1.45	1.03
371258CJ	2224-H	1000.0	1.9	0.28	0.91	0.027	2.35	1.45	1.03

2300 Series

386901CJ	2301-V	10.0	20.0	0.005	0.56	0.066	$2.19	$1.49	$1.13
386361CJ	2301-H	10.0	20.0	0.005	1.18	0.066	2.19	1.49	1.13
386935CJ	2302-V	12.0	19.1	0.005	0.56	0.066	2.19	1.49	1.13
386396CJ	2302-H	12.0	19.1	0.005	1.18	0.066	2.19	1.49	1.13
386951CJ	2303-V	15.0	18.0	0.006	0.56	0.066	2.19	1.49	1.13
386425CJ	2303-H	15.0	18.0	0.006	1.18	0.066	2.19	1.49	1.13
386978CJ	2304-V	18.0	17.2	0.006	0.56	0.066	2.19	1.49	1.13
386441CJ	2304-H	18.0	17.2	0.006	1.18	0.066	2.19	1.49	1.13
387006CJ	2305-V	22.0	16.4	0.007	0.56	0.066	2.19	1.49	1.13
386468CJ	2305-H	22.0	16.4	0.007	1.18	0.066	2.19	1.49	1.13
387022CJ	2306-V	27.0	15.6	0.008	0.56	0.066	2.19	1.49	1.13
386484CJ	2306-H	27.0	15.6	0.008	1.18	0.066	2.19	1.49	1.13
387049CJ	2307-V	33.0	11.7	0.013	0.53	0.053	2.19	1.49	1.13
386505CJ	2307-H	33.0	11.7	0.013	1.14	0.053	2.19	1.49	1.13
387065CJ	2308-V	39.0	11.2	0.014	0.53	0.053	2.19	1.49	1.13
386521CJ	2308-H	39.0	11.2	0.014	1.14	0.053	2.19	1.49	1.13
387090CJ	2309-V	47.0	10.7	0.016	0.53	0.053	2.19	1.49	1.13
386548CJ	2309-H	47.0	10.7	0.016	1.14	0.053	2.19	1.49	1.13
387111CJ	2310-V	56.0	10.2	0.017	0.53	0.053	2.19	1.49	1.13
386564CJ	2310-H	56.0	10.2	0.017	1.14	0.053	2.19	1.49	1.13
387137CJ	2311-V	68.0	7.7	0.030	0.52	0.042	2.19	1.49	1.13
386581CJ	2311-H	68.0	7.7	0.030	1.13	0.042	2.19	1.49	1.13
387161CJ	2312-V	100.0	7.0	0.037	0.52	0.042	2.19	1.49	1.13
386601CJ	2312-H	100.0	7.0	0.037	1.13	0.042	2.19	1.49	1.13
387188CJ	2313-V	120.0	6.7	0.040	0.52	0.042	2.19	1.49	1.13
386636CJ	2313-H	120.0	6.7	0.040	1.13	0.042	2.19	1.49	1.13
387209CJ	2314-V	150.0	5.0	0.071	0.51	0.034	2.19	1.49	1.13

JAMECO ValuePro High Current Toroid Inductors 2300 Series (Continued)

NEW

Part No.	Mfr. Cross Ref. No.	L (µH) @ 1KHz	IDC max. (A)	RDC max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
386652CJ	2314-H	150.0	5.0	0.071	1.12	0.034	$2.19	$1.49	$1.13
387233CJ	2315-V	180.0	4.8	0.078	0.51	0.034	2.19	1.49	1.13
386679CJ	2315-H	180.0	4.8	0.078	1.12	0.034	2.19	1.49	1.13
387268CJ	2316-V	220.0	5.8	0.054	0.56	0.042	2.19	1.49	1.13
386695CJ	2316-H	220.0	5.8	0.054	1.17	0.042	2.19	1.49	1.13
387284CJ	2317-V	270.0	5.5	0.060	0.56	0.042	2.19	1.49	1.13
386724CJ	2317-H	270.0	5.5	0.060	1.17	0.042	2.19	1.49	1.13
387313CJ	2318-V	330.0	5.2	0.067	0.56	0.042	2.19	1.49	1.13
386741CJ	2318-H	330.0	5.2	0.067	1.17	0.042	2.19	1.49	1.13
387330CJ	2319-V	390.0	5.0	0.072	0.56	0.042	2.19	1.49	1.13
386767CJ	2319-H	390.0	5.0	0.072	1.17	0.042	2.19	1.49	1.13
387364CJ	2320-V	470.0	3.8	0.13	0.54	0.034	$2.19	$1.49	$1.13
386783CJ	2320-H	470.0	3.8	0.13	1.16	0.034	2.19	1.49	1.13
387381CJ	2321-V	560.0	3.6	0.14	0.54	0.034	2.19	1.49	1.13
386812CJ	2321-H	560.0	3.6	0.14	1.16	0.034	2.19	1.49	1.13
387410CJ	2322-V	680.0	3.4	0.15	0.54	0.034	2.19	1.49	1.13
386839CJ	2322-H	680.0	3.4	0.15	1.16	0.034	2.19	1.49	1.13
387436CJ	2323-V	820.0	2.6	0.27	0.53	0.027	2.19	1.49	1.13
386855CJ	2323-H	820.0	2.6	0.27	1.14	0.027	2.19	1.49	1.13
388041CJ	2324-V	1000.0	2.4	0.30	0.53	0.027	2.19	1.49	1.13
386880CJ	2324-H	1000.0	2.4	0.30	1.14	0.027	2.19	1.49	1.13

JAMECO ValuePro Epoxy Conformal Coated RF Chokes

77F Series

A Jameco EXCLUSIVE



- High current and self-resonant frequency
- Low DCR • Low cost • Color bands identification
- Dielectric strength: 550Vrms
- Operating temp.: -55°C to +105°C
- Overall length: 2.41" • Lead length: 1.0"
- Body length: 0.41" • Body diameter: 0.157"

NEW

Part No.	Product No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing 1	10	100
371995CJ	77F6R8	6.8	68.0	0.48	550	$.43	$.39	$.32
372007CJ	77F100	10.0	45.0	0.58	500	.43	.39	.32
372015CJ	77F270	27.0	7.6	0.94	390	.43	.39	.32
372023CJ	77F330*	33.0	6.3	1.03	370	.43	.39	.32
372031CJ	77F470*	47.0	6.3	1.22	340	.43	.39	.32
372040CJ	77F820*	82.0	5.3	1.62	290	.43	.39	.32
372058CJ	77F101*	100.0	4.8	1.80	275	.43	.39	.32
372066CJ	77F221*	220.0	3.0	5.10	155	.43	.39	.32
372074CJ	77F331*	330.0	2.6	6.40	137	.43	.39	.32
372082CJ	77F391*	390.0	2.4	7.00	133	.43	.39	.32
372091CJ	77F102*	1000.0	1.4	14.0	100	.43	.39	.32

* L (µH) ±5%

78F Series



- High Q and self-resonant frequency
- Low DCR • Low cost • Color bands identification
- Dielectric strength: 500Vrms
- Operating temp.: -55°C to +105°C
- Overall length: 2.28" • Lead length: 1.0"
- Body length: 0.28" • Body diameter: 0.11"

NEW

Part No.	Product No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing 1	10	100
372103CJ	78FR68	0.68	250	0.12	495	$.42	$.26	$.173
372111CJ	78F1R0	1.0	180	0.15	385	.42	.26	.173
372120CJ	78F1R8	1.8	125	0.25	455	.42	.26	.173
372138CJ	78F2R7	2.7	95	0.30	355	.42	.26	.173
372146CJ	78F3R3*	3.3	70	0.34	270	.42	.26	.173
372154CJ	78F4R7*	4.7	50	0.35	230	.42	.26	.173
372162CJ	78F8R2*	8.2	28	0.55	155	.42	.26	.173
372171CJ	78F100*	10.0	22	0.72	130	.42	.26	.173
372189CJ	78F120*	12.0	20	0.80	155	.42	.26	.173
372197CJ	78F220*	22.0	13	1.20	140	.42	.26	.173
372200CJ	78F270*	27.0	11	1.35	135	.42	.26	.173
372218CJ	78F330*	33.0	10	1.50	195	.42	.26	.173
372226CJ	78F390*	39.0	9.5	1.70	185	.42	.26	.173
372234CJ	78F470*	47.0	8.5	2.30	167	.42	.26	.173
372242CJ	78F101*	100.0	5.5	3.50	125	.42	.26	.173
372251CJ	78F121*	120.0	5.4	3.80	100	.42	.26	.173
372269CJ	78F221*	220.0	4.0	5.70	76	.42	.26	.173
372277CJ	78F471*	470.0	2.5	11.6	53	.42	.26	.173

* L (µH) ±5%

JAMECO ValuePro Molded RF Chokes

A Jameco EXCLUSIVE

9230 Series

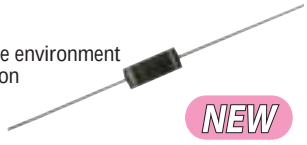


- High Q and high reliability • Miniature size
- Injection molded to protect coil from extreme environment
- Color band or numerical marking identification
- Dielectric strength: 1000Vrms
- Operating temp.: phenolic -55°C to +125°C, iron / ferrite -55°C to +105°C
- Overall length: 2.25" • Lead length: 1.0"
- Body length: 0.25" • Body diameter: 0.095"

NEW

Part No.	Product No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing 1	10	100
372285CJ	9230-94	0.10	690	0.07	1100	Phenolic	$.84	$.55	$.37
372293CJ	9230-00	0.15	600	0.10	1100	Phenolic	.65	.41	.29
372306CJ	9230-04	0.22	510	0.14	935	Phenolic	.81	.51	.33
372314CJ	9230-10	0.39	380	0.30	640	Phenolic	.82	.51	.33
372322CJ	9230-12	0.47	340	0.35	590	Phenolic	.81	.51	.33
372331CJ	9230-14	0.56	300	0.50	495	Phenolic	.84	.76	.62
372349CJ	9230-16	0.68	275	0.60	450	Phenolic	.81	.51	.33
372357CJ	9230-20	1.0	230	1.0	350	Phenolic	.81	.51	.33
372365CJ	9230-32	3.3	90	0.85	380	Iron	.88	.55	.40
372373CJ	9230-34	3.9	82	1.0	350	Iron	1.09	.98	.82
372381CJ	9230-36	4.7	75	1.2	320	Iron	.88	.55	.40
372390CJ	9230-44	10.0	50	3.7	180	Iron	1.01	.62	.45
372402CJ	9230-52	22.0	25	3.3	190	Iron	1.03	.63	.46
372411CJ	9230-56	33.0	24	3.4	187	Ferrite	1.09	.68	.48
372429CJ	9230-64	68.0	15	6.7	135	Ferrite	1.09	.68	.48
372437CJ	9230-68	100.0	13	8.0	125	Ferrite	1.19	.74	.53
372445CJ	9230-70	120.0	12	13.0	97	Ferrite	1.45	1.31	1.06

9250 Series

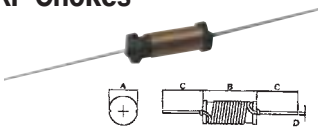


- High Q and high reliability
- Ferrite magnetic shielded for low radiation
- Injection molded to protect coil from extreme environment
- Color band or numerical marking identification
- Dielectric strength: 1000Vrms
- Operating temp.: -55°C to +105°C

NEW

Part No.	Product No.	L ±10% (µH)	SRF (MHz) (Min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing 1	10	100
372453CJ	9250-102	1.0	140	0.07	1070	Iron	$1.59	$.97	$.68
372461CJ	9250-222	2.2	100	0.19	650	Iron	1.59	.97	.68
372470CJ	9250-472	4.7	70	0.55	380	Iron	1.59	.97	.68
372488CJ	9250-103	10.0	46	1.62	220	Iron	1.59	.97	.68
372496CJ	9250-223	22.0	41	0.96	290	Ferrite	1.59	.97	.68
372509CJ	9250-473	47.0	27	2.11	195	Ferrite	1.75	1.07	.75
372517CJ	9250-104	100.0	10	3.12	160	Ferrite	1.89	1.17	.82
372525CJ	9250-224	220.0	7.5	5.0	125	Ferrite	1.89	1.17	.82
372533CJ	9250-474	470.0	5.7	9.5	92	Ferrite	1.89	1.17	.82
372541CJ	9250-105	1000.0	3.8	17.5	70	Ferrite	1.89	1.17	.82
372550CJ	9250-225	2200.0	0.97	33.8	50	Ferrite	2.19	1.34	.94
372568CJ	9250-106	10,000.0	0.47	137	24	Ferrite	2.35	1.44	1.01

Axial Leaded RF Chokes

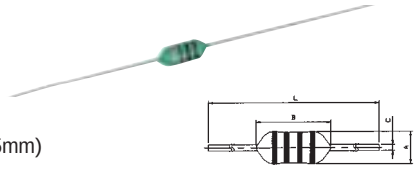


4600 Series

- Inductive tolerance: 10%
- Operating temperature: -55˚C to +125˚C
- Size: A = 6.8mm max.; B = 19.0mm max.
  C = 25.0±2.0mm; D = 0.65±0.5mm

Part No.	Mfr. Cross Ref. No.	L (µH)	Q (min.)	Res. Freq Min. (MHz)	DCR Max. (Ω)	Max. DC Current (mA)	Pricing 1	10	100
208063CJ	4602	1.0	60	190	.050	2000	$.69	$.62	$.55
208071CJ	4604	1.5	58	149	.093	1800	.69	.62	.55
208080CJ	4606	2.4	56	120	.190	1500	.69	.62	.55
208098CJ	4608	3.9	60	93	.450	1000	.69	.62	.55
208101CJ	4609	5.5	57	80	.670	850	.69	.62	.55
208119CJ	4610	6.2	57	76	.830	700	.69	.62	.55
208127CJ	4611	8.2	57	65	1.2	600	.69	.62	.55
208135CJ	4612	10	36	61	1.5	500	.69	.62	.55

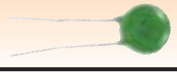
Epoxy Conformal Coated Chokes



- Operating temperature:
  -25°C to +85°C
- Tolerance: 5%
- Size: A = 3.2mm max.
  B = 7.0mm max.
  C = 0.48±0.5mm
  (except P/N 208143CJ: 0.50±.05mm)
  D = 63±3mm

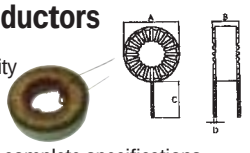
Part No.	L (µH)	Q (min.)	Test. Freq (MHz)	Res. Freq Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing 1	10	100
208143CJ	10	60	7.96	28.7	1.56	670	$.49	$.45	$.39
208151CJ	27	50	2.52	10.2	2.39	410	.49	.44	.33
208160CJ	33	50	2.52	8.4	2.71	380	.49	.45	.39
208178CJ	47	50	2.52	6.9	3.3	330	.49	.45	.39
208186CJ	82	45	2.52	5.4	4.62	240	.49	.44	.40
208194CJ	100	45	2.52	5.0	4.98	240	.49	.45	.39
208207CJ	220	45	0.796	3.3	9.23	180	.49	.45	.39
208215CJ	330	45	0.796	2.7	13.2	140	.49	.44	.40
208223CJ	470	45	0.796	2.2	21.4	120	.49	.45	.39
208231CJ	820	45	0.796	1.7	28.4	90	.49	.44	.33
208240CJ	1000	45	0.796	1.5	31.3	80	.49	.45	.39

For more NTE Varistors see page 56.



NTE

High Current Toroid Inductors



5700 Series

- Low radiation • Low core loss • High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max.
  C = 15.0±1.0mm; D = 1.2±0.5mm
- See page 189 for EMI suppression cores
- See technical datasheets on www.Jameco.com for complete specifications

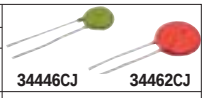
Part No.	Mfr. Cross Ref. No.	L (µH)	IDC max. (A)	L min. @ IDC	Pricing 1	10	25	50	100
208258CJ	5701	10	11.0	5	$3.99	$3.05	$2.74	$2.26	$2.06
208266CJ	5702	25	5.5	12	3.99	3.05	2.74	2.26	2.06
208311CJ	5711	50	9.5	25	4.95	4.46	3.79	3.03	2.27
208303CJ	5707	75	5.0	40	4.35	3.75	3.37	2.78	2.53
208274CJ	5703	125	2.75	70	3.99	3.05	2.74	2.26	2.06
208320CJ	5712	150	4.75	85	4.35	3.75	3.37	2.78	2.53
208282CJ	5704	275	2.0	150	3.99	3.05	2.74	2.26	2.06
208291CJ	5705	450	1.5	250	4.35	3.28	2.95	2.44	2.21

Varistors

LA Series Varistors (Radial Lead)

- AC power line applications • Power supplies • High energy absorption
- UL recognized as "transient voltage surge suppressors"
- UL recognized as "across-the-line components"

LA Series Part No.	Mfr. Cross Ref. No.	Size Disc Dia. (mm)	Max. Ratings (+85°C) Continuous RMS Volt. $V_{m(ac)}$ Volts	Continuous DC Volt. $V_{m(dc)}$ Volts	Transient Energy (10/1000µs) W_{tm} Joules	Characteristics at 25°C Max Clamping Volt. @ I_{PK} Value Curr. (8/20µs) V	I_{PK}=2.0A Amps	Pricing 1	10	100	500
34446CJ	V130LA10A	14	130	175	38	340	50	$.29	$.25	$.22	$.20
34471CJ	V250LA20A	14	250	330	72	650	50	.39	.35	.32	.30
34462CJ	V130LA20A	20	130	175	70	340	100	.59	.56	.54	.52



34446CJ 34462CJ

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Thermistors

NTC Thermistors



- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Operating temperature range: -30˚C ~ +130˚C
- Maximum allowable power (@ 250˚C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250˚C)
- Resistance value allowable difference: 10%

Part No.	Mfr. Cross Ref. No.	Resistance (Ω @ 25˚C)	B Constant (25/50˚C >10%)	Temp. Coef. @ 25˚C (%/˚C)	Pricing 1	10	100	500
207520CJ	NTC-101	100	3100	-3.5	$.59	$.49	$.39	$.32
207511CJ	NTC-201	200	3100	-3.5	.59	.49	.40	.30
207503CJ	NTC-301	300	3100	-3.5	.59	.49	.39	.32
207491CJ	NTC-501	500	3100	-3.5	.59	.49	.39	.32
207482CJ	NTC-102	1k	3800	-4.3	.59	.49	.39	.32
207474CJ	NTC-202	2k	3800	-4.3	.59	.49	.39	.32
207466CJ	NTC-302	3k	3900	-4.4	.59	.50	.40	.30
207458CJ	NTC-402	4k	3900	-4.4	.59	.49	.39	.32
207440CJ	NTC-502	5k	3900	-4.4	.59	.49	.39	.32
207036CJ	NTC-103	10k	4100	-4.6	.59	.49	.39	.32
207028CJ	NTC-153	15k	4100	-4.6	.59	.53	.48	.38
207010CJ	NTC-203	20k	4200	-4.7	.59	.49	.39	.32
207001CJ	NTC-503	50k	4200	-4.7	.59	.49	.39	.32
206990CJ	NTC-104	100k	4400	-4.9	.59	.49	.39	.32
206981CJ	NTC-204	200k	4500	-5.1	.59	.50	.40	.30

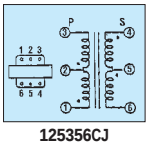
Coupling Transformers

Modem Coupling Transformers

- Insulation resistance: 100MΩ
- Core type: EI-14
- Vacuum wax impregnated
- Hipot tested: 1000VAC
- ±20% impedance matching
- ±20% DC resistance matching



125356CJ

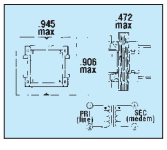


125356CJ

Part Number	Mfr. Cross Ref. No.	Impedance (Ω) Primary	Impedance (Ω) Secondary	Resistance (Ω) Primary	Resistance (Ω) Secondary	Pricing 1	10	100
125356CJ	XFR6006A14	600CT	600CT	65	55	$1.29	$1.18	$1.08
205962CJ	60-282-0	1.2KCT	8	45	1.5	1.69	1.55	1.35

Modem Coupling Transformer





- Dielectric strength: 1250VAC
- Inertion Loss: 2.50dB@1kHz

Part Number	Mfr. Cross Ref. No.	Impedance (Ω) Primary	Impedance (Ω) Secondary	Resistance (Ω) Primary	Resistance (Ω) Secondary	Pricing 1	10	100
117760CJ	671-8014	600	600	108	120	$ 1.99	$1.69	$1.27

Resettable Fuses

Resettable fuses improve reliability and lower costs. Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

RA Series

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

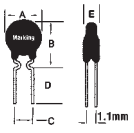


Fig. 1

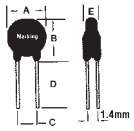


Fig. 2

Part No.	Mfr. Cross Ref. No.	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	Size (mm) A	B	C	Pricing 1	10	100	500
199814CJ	RA010-60	0.10	0.20	1	7.4	12.7	5.1	$.45	$.41	$.39	$.31
199822CJ	RA017-60	0.17	0.34	1	7.4	12.7	5.1	.45	.41	.39	.31
199831CJ	RA020-60	0.20	0.40	1	7.4	12.2	5.1	.45	.41	.39	.31
199849CJ	RA025-60	0.25	0.50	1	7.4	12.7	5.1	.45	.41	.39	.31
199857CJ	RA030-60	0.30	0.60	1	7.4	13.0	5.1	.45	.41	.39	.31
199865CJ	RA040-60	0.40	0.80	1	7.6	13.5	5.1	.49	.44	.41	.32
199873CJ	RA050-60	0.50	1.00	1	7.9	13.7	5.1	.49	.46	.43	.32
199881CJ	RA065-60	0.65	1.30	1	9.7	14.5	5.1	.50	.47	.43	.34
199890CJ	RA075-60	0.75	1.50	1	10.4	15.2	5.1	.50	.47	.43	.34
199902CJ	RA090-60	0.90	1.80	1	11.7	15.8	5.1	.52	.49	.45	.30
199911CJ	RA110-60	1.10	2.20	2	13.0	18.0	5.1	.57	.55	.52	.40
199929CJ	RA135-60	1.35	2.70	2	14.5	19.6	5.1	.58	.56	.53	.41
199937CJ	RA160-60	1.60	3.20	2	16.3	21.3	5.1	.60	.57	.54	.42
199945CJ	RA185-60	1.85	3.70	2	17.8	22.9	5.1	.59	.55	.45	.39
199953CJ	RA250-60	2.50	5.00	2	21.3	26.4	10.2	.70	.63	.57	.49
199961CJ	RA300-60	3.00	6.00	2	24.9	30.0	10.2	.74	.67	.60	.50
199970CJ	RA375-60	3.75	7.50	2	28.5	33.5	10.2	.74	.67	.53	.41

RB Series

- Rated voltage: (V_{MAX}): 30V
- Max. current (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.0mm max.

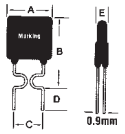


Fig. 3

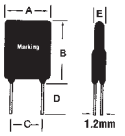


Fig. 4

Part No.	Mfr. Cross Ref. No.	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	Size (mm) A	B	C	Pricing 1	10	100	500
199988CJ	RB090-30	0.90	1.80	3	7.4	12.2	5.1	$.48	$.43	$.35	$.26
199996CJ	RB110-30	1.10	2.20	3	7.4	14.2	5.1	.48	.43	.39	.31
200002CJ	RB135-30	1.35	2.70	3	8.9	13.5	5.1	.48	.46	.43	.34
200011CJ	RB160-30	1.60	3.20	3	8.9	15.2	5.1	.45	.42	.39	.31
200029CJ	RB185-30	1.85	3.70	3	10.2	15.7	5.1	.48	.43	.39	.32
200037CJ	RB250-30	2.50	5.00	3	11.4	18.3	5.1	.52	.48	.43	.34
200045CJ	RB300-30	3.00	6.00	4	11.4	17.3	5.1	.57	.52	.48	.37
200053CJ	RB400-30	4.00	8.00	4	14.0	20.1	5.1	.62	.57	.52	.40
200061CJ	RB500-30	5.00	10.00	4	14.0	24.9	10.2	.67	.60	.54	.44
200070CJ	RB600-30	6.00	12.00	4	16.5	24.9	10.2	.73	.67	.61	.48
200088CJ	RB700-30	7.00	14.00	4	19.1	26.7	10.2	.80	.73	.67	.52
200096CJ	RB800-30	8.00	16.00	4	21.6	29.2	10.2	.87	.78	.63	.47
200109CJ	RB900-30	9.00	18.00	4	24.1	29.7	10.2	.89	.79	.69	.59

Fuse Clips

- Low contact resistance • Low profile
- Withstands shock and vibration

Prepackaged: order in increments of 10, 100 or 1000

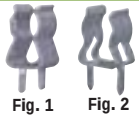

Fig. 1

Fig. 2

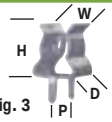


Fig. 3

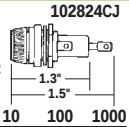
Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102859CJ	5mm, front leads	1	.37 x .25 x .21 x .19	$.12	$.09	$.05
119280CJ	5mm, side leads	2	.33 x .25 x .20 x .21	.09	.08	.07
102841CJ	1/4", front leads (10A)	3	.32 x .27 x .25 x .23	.09	.08	.07
220732CJ	5mm, front leads (10A)	3	.33 x .27 x .25 x .29	.15	.10	.07

Panel Mount Fuse Holders

1¼" x ¼" Standard Thumbscrew Cap

- Straight solder terminal; 10A @ 250VAC


18702CJ



Part No.	Approvals	Size	Mounting Hole	1	10	100	1000
120993CJ	—	1.95"L x .71"Dia.	.58"Dia. (Double D-style)	$.79	$.69	$.55	$.49
18702CJ	UL/CSA	2.05"L x .71"Dia.	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.15	.99

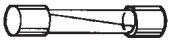
5mm x 20mm Miniature Thumbscrew Cap

- Straight solder terminal; Size: 1.5"L x 0.6"Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	1000
150463CJ	—	6A @ 250VAC	.50"Dia. x .43"Flat	$.99	$.86	$.75	$.57
102824CJ	UL/CSA	10A @ 250VAC	.50"Dia.	.99	.85	.72	.59

1¼" x ¼" Standard Fuses

Fast Acting Fuses (250V) AGC/3AG Fuses



- **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Amps	Mfr.	10	100	1000
69403CJ	250mA	Various	$.20	$.18	$.16
10410CJ	500mA	Various	.20	.18	.16
197510CJ	630mA	Various	.20	.18	.16
10372CJ	1 amp	Various	.20	.12	.11
197528CJ	1.6 amp	Various	.20	.12	.11
10381CJ	2 amp	Various	.20	.12	.11
197536CJ	2.5 amp	Various	.21	.12	.09
69438CJ	3 amp	Various	.20	.12	.11
197544CJ	4 amp	Various	.22	.20	.18
10401CJ	5 amp	Various	.22	.20	.18
197552CJ	6.3 amp	Various	.22	.20	.18
69462CJ	10 amp	Various	.25	.22	.20
186301CJ	16 amp	Various	.25	.22	.20

Slow Blow Fuses (250V) MDL/3AG Fuses



Part No.	Amps	Mfr.	1	10	100	1000
25654CJ	250mA	Various	$.75	$.59	$.50	$.40
25689CJ	500mA	Various	.69	.59	.50	.37
25638CJ	1 amp	Various	.69	.59	.50	.37
25646CJ	2 amp	Various	.55	.44	.34	.28
69534CJ	3 amp	Various	.55	.44	.34	.28
25671CJ	5 amp	Various	.55	.44	.34	.28
69569CJ	10 amp	Various	.75	.65	.51	.40

5mm x 20mm Miniature Fuses

Fast Acting Fuses (250V) GMA Fuses

- Recommended for new designs
- **Prepackaged: order in increments of 10, 100, 500 or 1000**



Part No.	Amps	Mfr.	10	100	500	1000
103886CJ	250mA	Various	$.20	$.15	$.11	$.10
102040CJ	500mA	Various	.20	.15	.11	.10
103907CJ	1 amp	Various	.20	.15	.11	.10
103915CJ	2 amp	Various	.25	.18	.13	.12
103923CJ	3 amp	Various	.20	.15	.11	.10
103931CJ	5 amp	Various	.20	.15	.11	.10

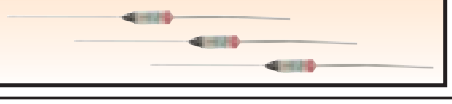
Slow Blow Fuses (250V) GMA Fuses

- **Prepackaged: order in increments of 10, 100 or 1000**



Part No.	Amps	Mfr.	10	100	1000
197501CJ	500mA	Various	$.29	$.26	$.23
197464CJ	1 amp	Various	.29	.26	.23
197472CJ	2 amp	Various	.35	.32	.29
197481CJ	3.15 amp	Various	.35	.32	.29
197499CJ	5 amp	Various	.35	.32	.29

NTE Thermal Fuses
See page 56.



In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- Wire color: red; except for P/N 108783CJ orange


102867CJ

1¼" x ¼" Standard

Part No.	AWG	Wire Lgths	Body Size(L)	Body Color	1	10	100
109321CJ	22	3.5/3"	2.4"	Black	$.65	$.58	$.52
102867CJ	20	3/3"	2.2"	White	.65	.58	.48
151917CJ	18	6/6"	2.4"	White	.99	.85	.65
108783CJ	16	21/26"	2.2"	Black	.99	.87	.68
108791CJ	14	19/25"	2.5"	Black	1.59	1.45	1.05

5mm x 20mm Miniature

Part No.	AWG	Wire Color	Body Size (L)	1	10	100
109330CJ	20	Red	1.8"	$.69	$.56	$.45

5mm x 20mm Miniature Low Profile Fuse Holder

- Accepts 5 x 20mm fuses
- 10A @ 250VAC
- Size: 1.4"L x 0.6"Dia.
- D-style mounting hole: 1 ea. 0.5"Dia x .46" flat

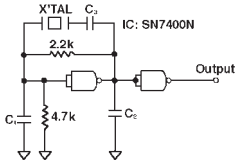


Part No.	Description	1	10	100
102832CJ	Fuse holder UL/CSA	$1.95	$1.79	$1.59

Crystals

- Frequency calibration tolerance: ± 50ppm @ 25°C
- Operating temperature: -10°C to +60°C
- Drive level: 4.0 mW maximum
- Shunt capacitance: 7pF maximum
- Frequency stability tolerance: ±50 ppm from -10°C to +60°C
- DN's demotes extended temp. (-40°C to 85°C)

Lower $$$

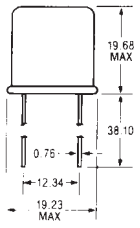


Application Reference (4~14MHz) (parallel resonance)

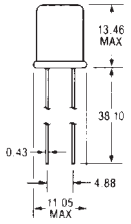
A Jameco EXCLUSIVE

C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

Dimensions in millimeters



HC33/U Case



HC49/U (HC18/U) Case



HC49/US Low Profile Case

HC33/U Case

Lower $$$

Part No.	Mfr. Cross Ref. No.	Frequency (MHz)	Impedance	Pricing 1	10	100	1000
14349CJ	CY1	1.0	13pF	$4.95	$4.49	$3.95	$3.49

HC49/U (HC18/U) Case

JAMECO ValuePro

324224CJ	ESC-18-13-1	1.8432	13pF	$.95	$.86	$.82	$.64
324283CJ	ESC-20-S-1	2.0	Series	.94	.85	.82	.63
324275CJ	ESC-20-20-1	2.0	20pF	.94	.85	.82	.63
324312CJ	ESC-25-S-1	2.5	Series	.78	.71	.68	.53
324321CJ	ESC-30-S-1	3.0	Series	.78	.71	.68	.53
324347CJ	ECS-36-18-1	3.6864	18pF	.31	.284	.274	.211
324363CJ	ECS-40-S-1	4.0	Series	.31	.284	.274	.211
324355CJ	ECS-40.3-20-1	4.032	20pF	.31	.284	.274	.211
324371CJ	ECS-42-12-1	4.194	12pF	.31	.284	.274	.211
324401CJ	ECS-49-S-1	4.9152	Series	.31	.284	.274	.211
324380CJ	ECS-49-20-1	4.9152	20pF	.31	.284	.274	.211
324427CJ	ECS-50-S-1	5.0	Series	.31	.284	.274	.211
324419CJ	ECS-50-20-1	5.0	20pF	.31	.284	.274	.211
324435CJ	ECS-51-20-1	5.0688	20pF	.31	.284	.274	.211
324443CJ	ECS-52-32-1	5.185	32pF	.31	.284	.274	.211
324460CJ	ESC-60-S-1	6.0	Series	.31	.284	.274	.211
324451CJ	ECS-60-32-1	6.0	32pF	.31	.284	.274	.211
324478CJ	ECS-65-12-1	6.5536	12pF	.31	.284	.274	.211
324486CJ	ECS-76.8-20-1	7.68	20pF	.31	.284	.274	.211
324494CJ	ECS-80-18-1	8.0	18pF	.31	.284	.274	.211
324507CJ	ECS-80-20-1	8.0	20pF	.31	.284	.274	.211
324515CJ	ECS-80-32-1	8.0	32pF	.31	.284	.274	.211
324531CJ	ECS-92.1-S-1	9.216	Series	.31	.284	.274	.211

HC49/U (HC18/U) Case (Continued)

JAMECO ValuePro

Part No.	Mfr. Cross Ref. No.	Frequency (MHz)	Impedance	Pricing 1	10	100	1000
324523CJ	ECS-92.1-20-1	9.216	20pF	$.31	$.284	$.274	$.211
324540CJ	ECS-98.3-20-1	9.9304	20pF	.31	.284	.274	.211
324128CJ	ECS-110.5-S-1	11.0592	Series	.31	.284	.274	.211
324110CJ	ECS-110.5-32-1	11.0592	32pF	.31	.284	.274	.211
324136CJ	ECS-115.2-S-1	11.52	Series	.31	.284	.274	.211
324144CJ	ECS-119.8-S-1	11.98135	Series	.31	.284	.274	.211
324152CJ	ECS-122.8-20-1	12.288	20pF	.31	.284	.274	.211
324161CJ	ECS-135-S-1	13.5168	Series	.31	.284	.274	.211
324179CJ	ECS-143-S-1	14.31818	Series	.31	.284	.255	.211
324187CJ	ECS-147.4-20-1	14.7456	20pF	.31	.284	.274	.211
324195CJ	ECS-147.4-S-1	14.7456	Series	.31	.284	.274	.211
324208CJ	ECS-160-20-1	16.0	20pF	.31	.284	.274	.211
324216CJ	ECS-180-20-1	18.0	20pF	.31	.284	.274	.211
324232CJ	ECS-184-20-1	18.432	20pF	.31	.284	.274	.211
324241CJ	ECS-196.6-20-1	19.6608	20pF	.31	.284	.274	.211
324259CJ	ECS-196.6-S-1	19.6608	Series	.31	.284	.274	.211
324267CJ	ECS-200-20-1	20.0	20pF	.31	.284	.274	.211
324304CJ	ECS-221-S-1	22.1184	Series	.31	.284	.274	.211
324339CJ	ECS-352.5-18-1	35.2512	18pF	.31	.284	.274	.211
324398CJ	ECS-498.6-20-1	49.86	20pF	.31	.284	.274	.211

Other Manufacturers — Great Deals

102613CJ	CY1.843	1.8432	18pF	$.99	$.72	$.51	$.39
102621CJ	CY2.0	2.0	Series	.89	.85	.83	.79
101274CJ	CY2.457	2.4576	32pF	.99	.89	.71	.53
14525CJ	CY3.27	3.2768	18pF	.99	.89	.79	.69
14533CJ	CY3.57	3.579545	18pF	.59	.54	.42	.39
14568CJ	CY3.68	3.6864	18pF	.89	.79	.69	.59
14592CJ	CY4	4.0	20pF	.59	.54	.41	.39
14621CJ	CY4.91	4.9152	Series	.89	.79	.69	.59

14681CH	CY6	6.0	18pF	$.79	$.71	$.64	$.50
14699CJ	CY6.14	6.144	30pF	.37	.34	.30	.25
14710CJ	CY7.37	7.3728	30pF	.89	.80	.65	.488
14728CJ	CY8	8.0	Series	.89	.79	.69	.54
14381CJ	CY10	10.0	Series	.79	.69	.59	.49
120061CJ	CY11.05	11.0592	Series	.89	.79	.69	.59
14402CJ	CY12	12.0	Series	.89	.75	.55	.39
14453CJ	CY16	16.0	Series	.62	.56	.50	.44
14517CJ	CY20	20.0	Series	.79	.69	.59	.39

HC49/US Low Profile Case

JAMECO ValuePro

324996CJ	ECS-35-S-4	3.579545	Series	$.36	$.325	$.31	$.24
324988CJ	ECS-36-18-4	3.6864	18pF	.36	.325	.31	.24
324970CJ	ECS-36-20-4DN†	3.6864	20pF	.62	.57	.50	.36
324945CJ	ECS-40-S-4	4.0	Series	.36	.325	.31	.24
324961CJ	ECS-40-20-4	4.0	20pF	.36	.325	.31	.24
324953CJ	ECS-40-S-4DN†	4.0	20pF	.62	.57	.50	.36
324937CJ	ECS-41-20-4	4.096	20pF	.36	.325	.31	.24
324911CJ	ECS-50-S-4	5.0	Series	.36	.325	.31	.24
324929CJ	ECS-50-20-4	5.0	20pF	.36	.325	.31	.24
324902CJ	ECS-51-20-4	5.0688	20pF	.36	.325	.31	.24
324890CJ	ECS-52-32-4	5.185	32pF	.36	.325	.31	.24
324865CJ	ECS-60-S-4	6.0	Series	.36	.325	.31	.24
324881CJ	ECS-60-32-4	6.0	32pF	.36	.325	.31	.24
324873CJ	ECS-60-32-4DN†	6.0	32pF	.62	.57	.50	.36
324857CJ	ECS-61-32-4	6.144	32pF	.36	.325	.31	.24
324849CJ	ECS-65-20-4	6.5	20pF	.36	.325	.31	.24
324831CJ	ECS-73-20-4	7.3728	20pF	.36	.325	.31	.24
324822CJ	ECS-73-20-4DN†	7.3728	20pF	.62	.57	.50	.36
324814CJ	ECS-76.8-20-4	7.68	20pF	.36	.325	.31	.24
324806CJ	ECS-80-18-4	8.0	18pF	.36	.325	.31	.24
324793CJ	ECS-80-18-4DN†	8.0	18pF	.62	.57	.50	.36
324785CJ	ECS-80-20-4	8.0	20pF	.36	.325	.31	.24
324777CJ	ECS-80-32-4	8.0	32pF	.36	.325	.31	.24
324769CJ	ECS-90-S-4	9.0	Series	.36	.325	.31	.24
324742CJ	ECS-92.1-S-4	9.216	Series	.36	.325	.31	.24

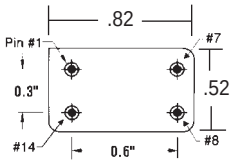
324751CJ	ECS-92.1-20-4	9.216	20pF	$.45	$.41	$.31	$.24
324734CJ	ECS-98.3-20-4	9.8304	20pF	.36	.325	.31	.24
325227CJ	ECS-110.5-20-4	11.0592	20pF	.36	.325	.31	.24
325219CJ	ECS-110.5-32-4	11.0592	32pF	.36	.325	.31	.24
325201CJ	ECS-120-20-4	12.0	20pF	.36	.325	.31	.26
325198CJ	ECS-120-20-4DN†	12.0	20pF	.62	.57	.50	.36
325180CJ	ECS-120-32-4	12.0	32pF	.36	.325	.31	.24
325171CJ	ECS-122.8-20-4	12.288	20pF	.36	.325	.31	.24
325155CJ	ECS-147.4--S-4	14.7456	Series	.36	.325	.31	.24
325163CJ	ECS-147.4-20-4	14.7456	20pF	.36	.325	.31	.24
325147CJ	ECS-153-20-4	15.36	20pF	.36	.325	.31	.24
325139CJ	ECS-160-20-4	16.0	20pF	.36	.325	.31	.24
325121CJ	ECS-160-20-4DN†	16.0	20pF	.62	.57	.50	.36
325112CJ	ECS-184-20-4	18.432	20pF	.36	.325	.31	.24
325104CJ	ECS-184-20-4DN†	18.432	20pF	.62	.57	.50	.36
325083CJ	ECS-196.6-20-4	19.6608	20pF	.36	.325	.31	.24
325091CJ	ECS-196.6-20-4DN†	19.6608	20pF	.62	.57	.50	.36
325075CJ	ECS-196.6-S-4	19.6608	Series	.36	.325	.31	.24
325067CJ	ECS-200-20-4	20.0	20pF	.36	.325	.31	.24
325059CJ	ECS-200-20-4DN†	20.0	20pF	.62	.57	.50	.36
325041CJ	ECS-204.8-20-4	20.48	20pF	.36	.325	.31	.24
325032CJ	ECS-240-16-4	24.0	16pF	.36	.325	.31	.24
325024CJ	ECS-240-20-4DN†	24.0	20pF	.62	.57	.50	.36
325016CJ	ECS-245.7-20-4	24.576	20pF	.36	.325	.31	.24
325008CJ	ECS-250-18-4-F	25.0	18pF	.36	.325	.31	.24

† Industrial temp.

TTL Oscillators

Specifications:

- Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006CJ, pg 88
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



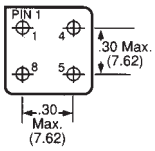
Full Can

Pin #	Function
1	N/C
7	GND
8	Output
14	+5VDC

Full Can

A Jameco EXCLUSIVE


325497CJ



Half Can

Pin #	Function
1	N/C
4	GND
5	Output
8	+5VDC

Half Can

TTL Oscillators (Full Can)

Part No.	Mfr. Cross Ref. No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100	1000
325411CJ	ECS-100A-035	3.579545	15mA	10ns	$1.19	$1.09	$1.03	$.79
325315CJ	ECS-100A-036	3.6864	15mA	10ns	1.19	1.09	1.03	.77
354888CJ	ECS-100A-040	4.0	15mA	10ns	1.35	1.22	1.17	.85
325374CJ	ECS-100A-049	4.9152	15mA	10ns	1.19	1.09	1.03	.79
325323CJ	ECS-100A-050	5.0	15mA	10ns	1.19	1.09	1.03	.79
325251CJ	ECS-100A-051	5.0688	15mA	10ns	1.19	1.09	1.03	.79
325260CJ	ECS-100A-060	6.0	15mA	10ns	1.19	1.09	1.03	.79
325278CJ	ECS-100A-061	6.144	15mA	10ns	1.19	1.09	1.03	.79
325358CJ	ECS-100A-073	7.3728	15mA	10ns	1.19	1.09	1.03	.77
354896CJ	ECS-100A-080	8.0	30mA	10ns	1.35	1.22	1.17	.85
325331CJ	ECS-100A-092.1	9.216	30mA	10ns	1.19	1.09	1.03	.79
325366CJ	ECS-100A-098.3	9.8304	30mA	10ns	1.19	1.09	1.03	.79
354909CJ	ECS-100A-100	10.0	30mA	10ns	1.19	1.15	1.03	.77
354870CJ	ECS-100A-110.5	11.0592	30mA	10ns	1.35	1.22	1.17	.85
354837CJ	ECS-100A-143	14.31818	30mA	—	1.19	1.09	1.03	.79
354845CJ	ECS-100A-160	16.0	30mA	10ns	1.35	1.22	1.17	.85
325286CJ	ECS-100A-162.5	16.257	30mA	10ns	1.19	1.09	1.03	.79
325340CJ	ECS-100A-180	18.0	30mA	10ns	1.19	1.09	1.03	.79
325382CJ	ECS-100A-184	18.432	30mA	10ns	1.19	1.09	1.03	.79
325446CJ	ECS-100A-196.6	19.6608	30mA	10ns	1.19	1.09	1.03	.79
354917CJ	ECS-100A-200	20.0	30mA	10ns	1.35	1.22	1.17	.85
325391CJ	ECS-100A-240	24.0	70mA	10ns	1.19	1.09	1.03	.77
325454CJ	ECS-100A-250	25.0	70mA	5ns	1.19	1.09	1.03	.77
325403CJ	ECS-100A-283.2	28.322	70mA	5ns	1.19	1.09	1.03	.79
325438CJ	ECS-100A-300	30.0	70mA	5ns	1.19	1.09	1.03	.79
325294CJ	ECS-100A-350	35.0	70mA	5ns	1.19	1.09	1.03	.79
354861CJ	ECS-100A-400	40.0	70mA	5ns	1.35	1.22	1.17	.85
354853CJ	ECS-100A-500	50.0	70mA	5ns	1.35	1.22	1.17	.85
Other Manufacturers — Great Deals								
27861CJ	OSC1	1.0	7mA	15ns	$2.75	$2.45	$1.59	$1.39
325307CJ	ECS-100A-012.2	1.2288	15mA	10ns	1.25	1.13	.89	.83
27879CJ	OSC1.84	1.8432	7mA	15ns	2.39	2.15	1.95	1.59
27924CJ	OSC2	2.0	7mA	15ns	1.99	1.79	1.59	1.39
27967CJ	OSC4	4.0	7mA	10ns	1.99	1.79	1.59	1.39
27991CJ	OSC8	8.0	15mA	15ns	1.99	1.79	1.59	1.39
27887CJ	OSC10	10.0	15mA	10ns	1.99	1.79	1.59	1.39
144207CJ	OSC11.05	11.059	50mA	10ns	1.35	1.19	.95	.89
27895CJ	OSC12	12.0	15mA	10ns	1.99	1.79	1.59	1.29
108652CJ	OSC14.31	14.31818	15mA	10ns	1.99	1.79	1.45	1.09
27908CJ	OSC16	16.0	15mA	10ns	1.59	1.45	1.15	.85
27932CJ	OSC20	20.0	17mA	10ns	1.79	1.59	1.45	1.29
27941CJ	OSC32	32.0	18mA	7ns	1.59	1.45	1.15	.85
76822CJ	OSC33	33.0	18mA	6ns	1.99	1.79	1.59	1.35
153226CJ	OSC40	40.0	18mA	6ns	1.25	1.13	1.02	.83
76831CJ	OSC50	50.0	25mA	6ns	1.99	1.79	1.43	1.07
325420CJ	ECS-100A-666	66.666	70mA	5ns	1.19	1.08	.92	.87
76857CJ	OSC100	100.0	25mA	3ns	2.49	2.25	1.95	1.75

TTL Oscillators (Half Can)

Part No.	Mfr. Cross Ref. No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100	1000
325500CJ	ECS-2100A-035	3.579545	15mA	10ns	$1.35	$1.22	$1.17	$.90
325518CJ	ECS-2100A-0.6	3.6864	15mA	10ns	1.35	1.22	1.17	.90
325526CJ	ECS-2100A-040	4.0	15mA	10ns	1.32	1.21	1.17	.90
325534CJ	ECS-2100A-051	5.0688	15mA	10ns	1.32	1.21	1.17	.90
325542CJ	ECS-2100A-060	6.0	15mA	10ns	1.32	1.21	1.17	.90
325551CJ	ECS-2100A-061	6.144	15mA	10ns	1.32	1.21	1.17	.90
325569CJ	ECS-2100A-080	8.0	30mA	10ns	1.32	1.21	1.17	.90
325577CJ	ECS-2100A-092.1	9.216	30mA	10ns	1.32	1.21	1.17	.90
325585CJ	ECS-2100A-098.3	9.8304	30mA	10ns	1.35	1.22	1.17	.90
354829CJ	ECS-2100A-100	10.0	25mA	5ns	1.35	1.22	1.17	.90
325593CJ	ECS-2100A-110.5	11.0592	30mA	10ns	1.35	1.22	1.17	.90
325606CJ	ECS-2100A-120	12.0	30mA	10ns	1.35	1.22	1.17	.90
325614CJ	ECS-2100A-143	14.31818	30mA	10ns	1.35	1.22	1.17	.90
325622CJ	ECS-2100A-160	16.0	30mA	10ns	1.35	1.22	1.17	.90
325631CJ	ECS-2100A-162.5	16.257	30mA	10ns	1.35	1.22	1.17	.90
325649CJ	ECS-2100A-184	18.432	30mA	10ns	1.35	1.22	1.17	.90
325657CJ	ECS-2100A-196.6	19.6608	30mA	10ns	1.35	1.22	1.17	.90
325665CJ	ECS-2100A-200	20.0	30mA	10ns	1.35	1.22	1.17	.90
325673CJ	ECS-2100A-250	25.0	70mA	5ns	1.35	1.22	1.17	.90
325681CJ	ECS-2100A-283.2	28.322	70mA	5ns	1.35	1.22	1.17	.90
325690CJ	ECS-2100A-300	30.0	46mA	5ns	1.35	1.22	1.17	.90
325702CJ	ECS-2100A-320	32.0	70mA	5ns	1.35	1.22	1.17	.90
325711CJ	ECS-2100A-325.1	32.514	70mA	5ns	1.35	1.22	1.17	.90
325729CJ	ECS-2100A-400	40.0	70mA	5ns	1.35	1.22	1.17	.90
325737CJ	ECS-2100A-480	48.0	70mA	5ns	1.35	1.22	1.17	.90
Other Manufacturers — Great Deals								
325462CJ	ECS-2100A-010	1.0	15mA	10ns	$1.35	$1.22	$.96	$.90
325471CJ	ECS-2100A-012.2	1.2288	15mA	10ns	1.35	1.22	.96	.90
325489CJ	ECS-2100A-018	1.8432	15mA	10ns	1.39	1.29	1.01	.94
102779CJ	OSC10H	10.0	45mA	6ns	1.45	1.05	.96	.79
325497CJ	EOS-2100A-020	2.0	25mA	5ns	1.35	11.22	.96	.90
325745CJ	ECS-2100A-640	64.0	70mA	5ns	1.35	1.22	1.10	1.01

30-Day Money-Back Guarantee

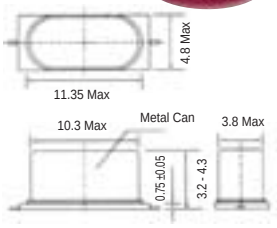
If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 269.

We have tried to cover all the most popular frequencies and packages in the market place for you. If we have missed any, please let us know and we will do our best to add it to our next catalog. Email us 24/7 at NewProducts@Jameco.com.

SMD Version of HC49US

A Jameco EXCLUSIVE

The CSM-7 is an exellent choice for SMD version of the HC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.

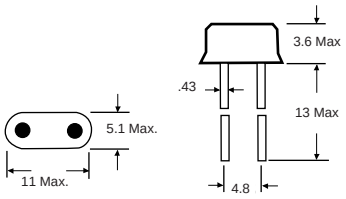


- Operating temperature range: -40°C to +85°C
- Frequency stability: ± 100ppm
- Drive level: 0.5mw
- Aging (first year @ +25°C): ± 5ppm

Part No.	Mfr. Cross Ref. No.	Frequency (MHz)	Impedance	Pricing 1	10	100	1000
325868CJ	ECS-35-17-5PDN	3.579545	17pF	$.83	$.70	$.55	$.46
325876CJ	ECS-36-20-5PDN	3.6864	20pF	.83	.70	.55	.46
325884CJ	ECS-40-20-5PDN	4.0	20pF	.83	.70	.55	.46
325892CJ	ECS-60-32-5PDN	6.0	32pF	.83	.70	.55	.43
325905CJ	ECS-73-20-5PDN	7.3728	20pF	.83	.70	.55	.43
325913CJ	ECS-80-18-5PDN	8.0	18pF	.83	.70	.55	.46
325921CJ	ECS-120-20-5PDN	12.0	20pF	.83	.70	.56	.46
325930CJ	ECS-143-20-5PDN	14.31818	20pF	.83	.70	.55	.46
325948CJ	ECS-160-20-5PDN	16.0	20pF	.83	.70	.56	.46
325956CJ	ECS-184-20-5PDN	18.432	20pF	.83	.70	.55	.46
325964CJ	ECS-196-20-5PDN	19.6608	20pF	.83	.70	.55	.46
325972CJ	ECS-200-20-5PDN	20.0	20pF	.83	.70	.55	.46
325981CJ	ECS-240-20-5PDN	24.0	20pF	.83	.70	.55	.46

HC49/S Case (Low Profile Crystals)

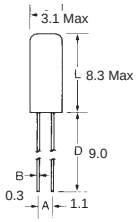
- Frequency range: 3.5 to 70.0MHz
- Operating temperature: -10°C to +60°C
- Drive level: 0.5mW (fundamental frequency)
- Aging: ±5ppm/year maximum
- Frequency stability tolerance: ±50ppm



Part No.	Mfr. Cross Ref. No.	Frequency (KHz)	Imped.	Max. Resist.	Pricing 1	10	100	1000
137816CJ	CY3.57LP	3.579545	17pF	150Ω	$.95	$.86	$.68	$.51
137832CJ	CY4LP	4.000	17pF	120Ω	.99	.89	.79	.69
137859CJ	CY8LP	8.000	Series	60Ω	.75	.67	.59	.53
137875CJ	CY11.05LP	11.0592	Series	50Ω	1.05	.81	.66	.52
137891CJ	CY16LP	16.000	Series	40Ω	.39	.36	.29	.27

Tuning Fork

- Operating temperature range: -10°C to +60°C
- Frequency tolerance: ±20ppm
- Drive level: 1mw
- Aging for first year: ± 3ppm (max. +25°C)



Part No.	Mfr. Cross Ref. No.	Frequency (MHz)	Impedance	Pricing 1	10	100	1000
14584CJ	CY32.76	32.768kHz	10.5pF	$.89	$.79	$.69	$.59
325243CJ	ECS-.327-12.5-13	32.768kHz	12.5pF	.23	.215	.185	.135

14-Pin Crystal Oscillator Socket

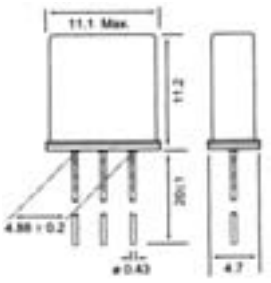
- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins
- Good for prototyping and PCB mounting



Part No.	Description	1	10	100	1000
133006CJ	Oscillator socket	$.55	$.46	$.34	$.31

Monolithic Crystal Filters

Monolithic crystal filters have very high Q's and exellent temperature and aging characteristics. These filters offer narrow and intermediate bandwidths. The monolithic crystal filter is smaller and more cost effective than a discrete crystal filter. With the addition of coupling capacitors between two-pole sections, they can be cascaded to produce four, six and eight (or more) pole filter responses.



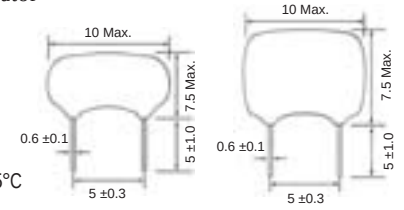
- High stability for wide temperature ranges
- Sharp cut-off
- Low cost
- Operating temperature range: -20°C to +80°C
- Frequency accuracy: ±0.5% @ 25°C
- Temp. stability: ±0.3%
- Aging for 10 years: ± 0.3%
- Withstanding voltage: 100VDC

A Jameco EXCLUSIVE

Part No.	Mfr. Cross Ref. No.	Freq. (KHz)	No. of Poles	Ripple Max.	Terminating Imped. (Ω/pF)	Pricing 1	10	100
324101CJ	ECS-10.7-7.5A	12.5kHz	2	0.5dB	1800/5.0	$2.65	$2.39	$2.15
324081CJ	ECS-10.7-15A	25.0kHz	2	0.5dB	3000/2.0	1.55	1.42	1.28
324099CJ	ECS-10.7-15B	25.0kHz	4	1dB	3000/2.0	3.19	2.91	2.62

Ceramic Resonators

The ZTA series ceramic resonator offers wide frequency range and extended temperature range capabilities.



- Low profile
- Wide frequency range
- Extended temperature range
- High stability
- Frequency accuracy: ±0.5% @ 25°C
- Operating temperature range: -20°C to +85°C
- Temperature stability: ±0.3%
- Drive level: 0.5mw
- Aging for 10 years: ± 0.3%

A Jameco EXCLUSIVE

Part No.	Mfr. Cross Ref. No.	Freq. (MHz)	No. of Pins	Resonant Resistance Ω (max.)	Withstanding Voltage 5 sec. (max.)	Pricing 1	10	100	1000
324591CJ	ZTA-3.58MG	3.58	2	30	100V	$.28	$.255	$.25	$.195
324603CJ	ZTA-4.00MG	4.0	2	30	100V	.28	.255	.25	.195
324697CJ	ZTT-4.00MG	4.0	3	30	100V	.33	.30	.26	.25
324611CJ	ZTA-4.19MG	4.19	2	30	100V	.38	.32	.255	.195
324700CJ	ZTT-4.19MG	4.19	3	30	100V	.42	.355	.285	.22
324620CJ	ZTA-6.00MT	6.0	2	30	100V	.28	.26	.255	.195
324718CJ	ZTT-6.00MT	6.0	3	30	100V	.31	.285	.275	.21
324638CJ	ZTA-8.00MT	8.0	2	25	100V	.28	.26	.255	.195
324726CJ	ZTT-8.0MT	8.0	3	25	100V	.31	.285	.275	.21
324558CJ	ZTA-10.00MT	10.0	2	25	100V	.28	.255	.25	.195
324566CJ	ZTA-12.00MT	12.0	2	25	100V	.28	.255	.25	.195
324654CJ	ZTT-12.00MT	12.0	3	25	100V	.31	.285	.275	.21
324574CJ	ZTA-16.00MX	16.0	2	55	100V	.28	.255	.25	.195
324662CJ	ZTT-16.00MX	16.0	3	55	100V	.31	.285	.275	.21
324582CJ	ZTA-20.00MX	20.0	2	55	100V	.28	.255	.25	.195
324671CJ	ZTT-20.00MX	20.0	3	55	100V	.31	.285	.275	.21

Other Manufacturers — Great Deals

324689CJ	ZTT-3.58MG	3.58	3	30	100V	$.33	$.30	$.26	$.25
324646CJ	ZTT-10.00MT	10.0	3	25	100V	.33	.30	.26	.25

Lowest Price Guarantee

Found a product at a lower print advertised price? We'll beat that price by 10% right down to our cost.

Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion

Each kit includes a 20-drawer component cabinet (319599CJ), 20 clear plastic drawers (319601CJ), 20 clear dividers (319610CJ), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.



81875CJ (Capacitor Kit)

20-drawer component cabinet with every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Cabinet is wall-mountable or free standing
- Cabinet: ABS-Black
- Weight: 4.6 to 6.4 lbs.

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.

Need a refill? Just call 1•800•831•4242



81832CJ (Resistor Kit)

Radial Electrolytic Capacitor Kit

SAVE $11

Includes 240 pcs. (15 values) ±20% Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100µF @ 50V	1000µF @ 16V	1µF @ 50V	3.3µF @ 50V	22µF @ 50V
220µF @ 25V	2200µF @ 25V	1µF @ 100V	4.7µF @ 50V	47µF @ 50V
470µF @ 25V	3300µF @ 25V	2.2µF @ 50V	10µF @ 50V	100µF @ 25V

Part No.	Description	Wt. (lbs.)	1	10
81867CJ	240 pcs. Radial Capacitor kit	5.3	**$29.95**	**$26.95**
130331CJ	Refill for 81867CJ (240 pcs.)	0.5	**17.95**	**16.49**

Axial Electrolytic Capacitor Kit

SAVE $12

Includes 140 pcs. (10 values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47µF @ 50V	220µF @ 50V	1000µF @ 25V	1µF @ 50V	10µF @ 50V
100µF @ 50V	470µF @ 50V	2200µF @ 16V	4.7µF @ 50V	2.2µF @ 50V

Part No.	Description	Wt. (lbs.)	1	10
81875CJ	140 pcs. Axial Capacitor kit	5.3	**$37.95**	**$34.15**
130340CJ	Refill for 81875CJ (140 pcs.)	0.6	**24.95**	**22.49**

Mylar Capacitor Kit

SAVE $11

Includes 280 pcs. (10 values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001µF	.022µF	.047µF	.47µF	.01µF
.0047µF	.033µF	.22µF	1µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
81883CJ	280 pcs. Mylar Capacitor kit	5.1	**$37.95**	**$34.15**
130358CJ	Refill for 81883CJ (280 pcs.)	0.3	**19.95**	**17.95**

Dipped Tantalum Capacitor Kit

SAVE $31

Includes 150 pcs. (15 values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1µF @ 35V	1µF @ 25V	3.3µF @ 35V	10µF @ 16V	22µF @ 16V
.22µF @ 35V	1µF @ 35V	4.7µF @ 35V	10µF @ 35V	33µF @ 25V
.47µF @ 35V	2.2µF @ 16V	6.8µF @ 35V	15µF @ 25V	47µF @ 25V

Part No.	Description	Wt. (lbs.)	1	10
81841CJ	150 pcs. Tantalum Capacitor kit	4.8	**$79.95**	**$71.95**
130260CJ	Refill for 81841CJ (150 pcs.)	0.3	**59.95**	**53.95**

Ceramic Disc Capacitor Kit

SAVE $16

Includes 520 pcs. (10 values) 50V ±20% Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022µF	.01µF
22pF	100pF	.001µF	.047µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
81859CJ	520 pcs. Ceramic Capacitor kit	5.0	**$35.95**	**$32.35**
130232CJ	Refill for 81859CJ (520 pcs.)	0.3	**17.95**	**16.49**

Monolithic Ceramic Capacitor Kit

SAVE $11

Includes 280 pcs. (10 values) 50V ±20% Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each
22pF	.001µF	.047µF	.47µF	.01µF
100pF	.0022µF	.22µF	1µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
171475CJ	280 pcs. Monolithic Capacitor kit	5.0	**$29.95**	**$26.95**
171483CJ	Refill for 171475CJ (280 pcs.)	0.3	**17.95**	**15.95**

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/8-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
108329CJ	540 pcs. 1/8-watt Resistor kit	4.9	**$24.95**	**$22.49**
108302CJ	Refill for 108329CJ (540 pcs.)	0.2	**12.95**	**11.49**

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.2kΩ	2.7kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	1.5kΩ	3.3kΩ	20kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2kΩ	5.1kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.2kΩ	5.6kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
81832CJ	540 pcs. 1/4-watt Resistor kit	4.9	**$27.95**	**$24.95**
103165CJ	Refill for 81832CJ (540 pcs.)	0.2	**12.95**	**11.49**

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
107879CJ	540 pcs. 1/2-watt Resistor kit	5.1	**$29.95**	**$26.95**
107852CJ	Refill for 107879CJ (540 pcs.)	0.4	**14.95**	**13.49**

1/2-Watt Single Turn Cermet Pot Kit

SAVE $29

See page 79 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P5kΩ	63P500kΩ	63P1kΩ	63P50kΩ
63P2kΩ	63P20kΩ	63P1MΩ	63P10kΩ	63P100kΩ

Part No.	Description	Wt. (lbs.)	1	10
85032CJ	100 pcs. single turn Pot kit	4.9	**$65.95**	**$59.35**

3/4-Watt 15 Turn Cermet Pot Kit

SAVE $32

See page 79 (43P Series) for photos and specs.

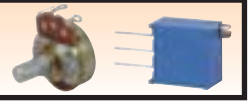
Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P5kΩ	43P500kΩ	43P1kΩ	43P50kΩ
43P2kΩ	43P20kΩ	43P1MΩ	43P10kΩ	43P100kΩ

Part No.	Description	Wt. (lbs.)	1	10
85041CJ	100 pcs. 15 turn Pot kit	4.9	**$82.95**	**$74.65**

Individually Sold Potentiometers

See pages 77-81



Color Code Legend: New Sale Lower$ QtySave

Belden Coaxial Cables

Belden COT Compare Belden coaxial cables with those from the other companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden coaxial cables are time-tested for performance, performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden coaxial cable can be counted on for positive, reliable, and trouble-free operation. Engineered in a wide selection of sizes and materials, with each offering the benefits needed for physical, electrical and cost-requirement applications. Cable choices include broadband, standard analog, precision video for analog and digital, and more. For our complete line of Belden products, please visit www.Jameco.com/Belden.

50Ω Transmission and Computer Cable RG8/U Type

16 AWG stranded (19x29) .058" bare copper



- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 81.4pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: 0.242" • Color: black

SALE

Part No.	Product No.	Description	1	5	10
234254CJ	9258-100-10	100' reel	$59.99	$54.99	$49.99
234256CJ	9258-500-10	500' reel	247.89	224.95	213.69
234255CJ	9258-1000-10	1000' reel	429.99	399.99	384.99
234258CJ	9258-U500-10	500' unreel box	247.89	224.95	213.69
234257CJ	9258-U1000-10	1000' unreel box	429.99	399.99	384.99

13 AWG stranded (7 x 21) .085" bare copper



- 97% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m • Nominal impedance: 52Ω
- Nominal outer diameter: .405" • Color: black

Part No.	Product No.	Description	1	5	10
232848CJ	8237-100-10	100' reel	$119.99	$109.19	$99.99
232856CJ	8237-500-10	500' reel	454.59	413.25	396.75
232864CJ	8237-1000-10	1000' reel	820.79	752.49	694.55

11 AWG stranded (7 x 19) .108" bare copper

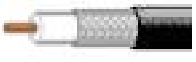


- 97% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 85.3pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .285" • Color: black

Part No.	Product No.	Description	1	5	10
232750CJ	8214-100-10	100' reel	$125.79	$114.35	$104.82
232768CJ	8214-500-10	500' reel	549.99	499.99	457.99
232776CJ	8214-1000-10	1000' reel	918.19	847.49	786.99

50Ω Transmission and Computer Cable RG58A/U Type

20 AWG solid .032" bare copper



- 95% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m • Nominal impedance: 51.5Ω
- Nominal outer diameter: .193" • Color: black

Part No.	Product No.	Description	1	5	10
232872CJ	8240-100-10	100' reel	$42.15	$38.21	$34.73
232881CJ	8240-500-10	500' reel	144.75	131.55	120.59
232899CJ	8240-1000-10	1000' reel	263.09	241.19	222.65
234175CJ	8240-U500-10	500' unreel box	144.69	131.29	101.63
234174CJ	8240-U1000-10	1000' unreel box	289.39	262.59	249.49

20 AWG stranded (19 x 33) .035" tinned copper



- 95% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .192" • Color: black

Part No.	Product No.	Description	1	5	10
232936CJ	8259-100-10	100' reel	$46.99	$42.65	$38.75
232944CJ	8259-500-10	500' reel	152.09	131.49	119.45
232952CJ	8259-1000-10	1000' reel	274.79	251.89	232.49

20 AWG stranded (19 x 32) .037" tinned copper



- 96% tinned copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 86.9pF/m • Nominal impedance: 53.5Ω
- Nominal outer diameter: .194" • Color: black

Part No.	Product No.	Description	1	5	10
232813CJ	8219-100-10	100' reel	$39.99	$37.49	$34.99
232821CJ	8219-500-10	500' reel	181.25	164.75	150.99
232830CJ	8219-1000-10	1000' reel	329.49	302.05	278.79

50Ω Transmission and Computer Cable RG174/U Type

26 AWG stranded (7 x 34) .019" bare copper-covered steel



- 90% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .110" • Color: black

Part No.	Product No.	Description	1	5	10
232784CJ	8216-100-10	100' reel	$35.45	$32.18	$29.23
232792CJ	8216-500-10	500' reel	114.19	103.64	94.16
232805CJ	8216-1000-10	1000' reel	215.99	203.97	193.77

75Ω Broadband Coax CATV Cable RG6/U Type

18 AWG solid .040" bare copper-covered steel



- Duobond® II +60% aluminum braid shield
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .270" • Color: black

Part No.	Product No.	Description	1	5	10
233269CJ	9116-100-10	100' reel	$20.89	$17.56	$16.68
233277CJ	9116-500-10	500' reel	57.19	50.07	47.57
233285CJ	9116-1000-10	1000' reel	102.55	97.43	92.56

18 AWG solid .040" bare copper-covered steel



- Duobond® IV quad shield
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .298" • Color: black

Part No.	Product No.	Description	1	5	10
232733CJ	1189A-100-10	100' reel	$23.99	$20.14	$18.13
233402CJ	1189A-500-10	500' reel	83.99	67.87	64.48
232741CJ	1189A-1000-10	1000' reel	152.55	144.93	137.68
234052CJ	1189A-U500-10	500' unreel box	83.99	67.87	64.48

Precision Video Cable for Analog and Digital RG6 Type

18 AWG solid .040" bare copper



- DuoFoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation, PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .275" • Color: black

Part No.	Product No.	Description	1	5	10
234099CJ	1694A-100-10	100' reel	$66.49	$55.86	$53.07
234155CJ	1694A-500-10	500' reel	199.99	162.90	150.90
234154CJ	1694A-1000-10	1000' reel	403.75	327.78	315.95

Direct Broadcast Satellite RG6 Type Cable

18 AWG solid .040" bare copper



- DuoBond® II +60% aluminum braid
- Gas injected foam polyethylene insulation, PVC jacket
- Nominal capacitance: 16.2pF/m
- Nominal impedance: 75Ω
- Nominal outer diameter: .270"

Part No.	Product No.	Description	1	5	10
234156CJ	1829AC-100-10	100' reel	$14.99	$13.99	$12.99
234177CJ	1829AC-500-10	500' reel	54.99	52.24	49.63
234157CJ	1829AC-1000-10	1000' reel	106.99	96.29	91.48

Composite Data, Audio, Video, Security and Control Cable

Two RG6 18 AWG solid bare copper conductors and two 4-pair UTP 24 AWG solid bare copper conductors



- Banana Peel™ jacketless cables
- Gas injected FPR insulation coax cable, polyolefin insulation CAT5e cable and F-R PVC jackets
- Component nominal outer diameter: .200"

SALE

Part No.	Product No.	Description	1	5	10
234163CJ	7913S-500	500' reel	$242.99	$229.99	$227.99
234162CJ	7913S-1000	1000' reel	461.79	449.43	437.08

Belden Coaxial Cables (Continued)

75Ω Standard Analog Video Cable RG59/U Type

23 AWG solid .023" bare copper



- 95% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .242" • Color: black

Part No.	Product No.	Description	1	5	10
232901CJ	8241-100-10	100' reel	$44.39	$41.69	$38.44
232910CJ	8241-500-10	500' reel	125.25	117.53	108.38
232928CJ	8241-1000-10	1000' reel	224.15	214.17	205.39

22 AWG stranded (7 x 30) .030" bare copper



- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 56.7pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .241" • Color: black

SALE

Part No.	Product No.	Description	1	5	10
232653CJ	9259-100-10	100' reel	$50.25	$46.95	$43.25
232661CJ	9259-500-10	500' reel	135.85	123.44	120.99
232670CJ	9259-1000-10	1000' reel	264.49	254.99	241.89
234070CJ	9259-U500-10	500' unreel box	135.85	123.44	120.99
234069CJ	9259-U1000-10	1000' unreel box	264.49	254.99	241.89

RG59 Type Security Coaxial Cable

20 AWG solid bare copper conductor



- 95% bare copper braid shield
- Nominal impedance: 75Ω
- Foam polyolefin insulation and black UV resistant PVC jacket
- Impregnated with CoreGuard® flame retardant flooding compound
- Shielded or flooded for use in underground ducts
- Surveillance and CCTV applications • Color: black

Part No.	Product No.	Description	1	5	10
234158CJ	543945-100-10	100' reel	$15.45	$14.68	$13.95
234160CJ	543945-500-10	500' reel	64.95	61.98	58.92
234159CJ	543945-1000-10	1000' reel	139.99	132.27	125.66

Standard Analog Video Cable 75Ω Miniature Coax

27 AWG stranded (7x35) .017" bare copper-covered steel



- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m
- Nominal impedance: 75Ω
- Nominal outer diameter: .100" • Color: black

Part No.	Product No.	Description	1	5	10
234173CJ	8218-U500-10	500' unreel box	$175.85	$159.56	$144.99
234172CJ	8218-U1000-10	1000' unreel box	363.95	330.20	313.69

Broadband Coax (Headend/Video Cables)

20 AWG solid .031" bare copper



- 98% tinned copper double braid shield
- Polyethylene insulation and jacket
- Nominal capacitance 68.9pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .305" • Color: black

Part No.	Product No.	Description	1	5	10
232961CJ	8281-100-10	100' reel	$85.49	$72.06	$68.46
232979CJ	8281-500-10	500' reel	349.99	299.99	269.75
232987CJ	8281-1000-10	1000' reel	656.49	559.99	535.49

20 AWG solid .032" solid bare copper



- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .234" • Color: black

SALE

Part No.	Product No.	Description	1	5	10
234086CJ	1505A-100-10	100' reel	$51.05	$42.89	$40.75
234088CJ	1505A-500-10	500' reel	172.49	140.49	139.99
234087CJ	1505A-1000-10	1000' reel	339.99	280.99	279.75

Belden Speaker Cables

These speaker cables are used to connect receivers or power amplifiers to speakers and are also used for the internal wiring of the speakers. All Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables



- 2-conductor stranded
- ETP high conductivity copper
- Parallel (1) tinned (1) bare
- PVC insulation • Clear PVC jacket

18 AWG Stranded (16 x 30)

Part No.	Product No.	Description	1	5	10
232573CJ	9708-100-368	100' reel ~~$32.59~~	$27.15	$24.65	$22.59
232581CJ	9708-500-368	500' reel	122.95	116.45	109.99
232590CJ	9708-1000-368	1000' reel	229.65	219.41	210.42
234153CJ	9708-U500-368	500' unreel box	122.95	116.45	109.99
234080CJ	9708-U1000-368	1000' unreel box	229.65	219.41	210.42

14 AWG Stranded (19 x 27)

232602CJ	9717-100-368	100' reel	$65.49	$55.09	$49.45
233429CJ	9717-500-368	500' reel	255.69	242.25	218.04
232611CJ	9717-1000-368	1000' reel	459.29	433.66	390.41

12 AWG Stranded (65 x 30)

232629CJ	9718-100-368	100' reel	$126.35	$106.13	$100.82
232637CJ	9718-500-368	500' reel	405.25	358.42	310.77
232645CJ	9718-1000-368	1000' reel	849.99	799.99	749.99

Belden Hook-up Wire

UL AWM Style 1007

Belden hook-up and lead wire products are manufactured in a variety of materials, sizes, and designs to meet rigid industry and government specifications. Used in a wealth of applications including inter-connection circuits, internal wiring of computer and data processing equipment, appliances, and automotive. AWM, or Appliance Wiring Material, is Underwriter Laboratories' recognized covering of insulated wires and cables intended for internal wiring of appliances and equipment.



- Tinned copper • PVC insulated
- Rated 105˚C, 300V; 600V peak for electronic circuits and electrical equipment
- Increments of 100' reels

Use the color code chart below to replace the "xx" when ordering

01 – Brown	02 – Red	03 – Orange	04 – Yellow	05 – Green
07 – Violet	08 – Gray	09 – White	10 – Black	13 – Dark blue

e.g. **234601CJ – 2346** is the Jameco designation for 28 AWG stranded wire and **01** is for color brown

Part No.	Product No.	Description	1	5	10
2346xxCJ	9928-100-xx	28 AWG (7 x 36) stranded	$11.45	$9.35	$8.62
2345xxCJ	9926-100-xx	26 AWG (7 x 34) stranded	12.29	11.13	10.10
2344xxCJ	9923-100-xx	24 AWG (7 x 32) stranded	12.89	11.72	10.61
2343xxCJ	9921-100-xx	22 AWG (7 x 30) stranded	14.79	13.51	12.26
2342xxCJ	9919-100-xx	20 AWG (7 x 28) stranded	18.29	16.59	15.10
2341xxCJ	9918-100-xx	18 AWG (16 x 30) stranded	20.39	19.19	16.79
2340xxCJ	9916-100-xx	16 AWG (26 x 30) stranded	28.29	22.99	21.25

Bus Bar Hook Up Wire

Made in accordance with the performance requirements of Federal Specifications QQ-W343G.



- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description	1	5	10
234168CJ	8022-100	24 AWG, 100' reel	$10.49	$9.49	$8.63
234169CJ	8022-1000	24 AWG, 1000' reel	57.29	46.31	42.75
234166CJ	8021-100	22 AWG, 100' reel	11.65	9.39	8.49
234167CJ	8021-1000	22 AWG, 1000' reel	70.69	60.26	55.73
234164CJ	8020-100	20 AWG, 100' reel	13.29	11.67	10.55
234165CJ	8020-1000	20 AWG, 1000' reel	93.69	79.85	73.84

Belden Paired Cables

Belden COT Belden cable products are manufactured in a variety of gauge sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including PVC, Plenum and High-Temperature versions to meet the technical requirements of many different types of systems. Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables. For our complete line of Belden products, please visit www.Jameco.com/Belden.

• Chrome PVC jacket • Tinned copper • Twisted pairs • Tinned copper drain wire • Overall 100% BELDFOIL® shield (for shielded cables)

High-Temperature Control, Instrumentation Cables and Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

• Semi-rigid PVC insulation • Nominal DCR: 24Ω/m
• Nominal impedance: 75Ω • Color: chrome



9501 Series



9502 Series



9503 Series



9504 Series

Part No.	Product No.	No. of Pairs	Description	1	5	10
232709CJ	9501-100-60	1	100' reel	$17.45	$15.85	$14.42
232717CJ	9501-500-60	1	500' reel	67.45	63.86	60.32
232725CJ	9501-1000-60	1	1000' reel	127.75	120.64	111.91
234073CJ	9501-U500-60	1	500' unreel box	67.45	63.86	60.32
234072CJ	9501-U1000-60	1	1000' unreel box	127.75	120.64	113.54
232451CJ	9502-100-60	2	100' reel	27.39	24.92	22.64
232469CJ	9502-500-60	2	500' reel	114.35	103.93	95.27
232477CJ	9502-1000-60	2	1000' reel	207.85	190.56	175.88
234075CJ	9502-U500-60	2	500' unreel box	114.35	103.93	95.27
234074CJ	9502-U1000-60	2	1000' unreel box	199.99	189.59	175.89
232485CJ	9503-100-60	3	100' reel	28.75	24.42	22.72
232493CJ	9503-500-60	3	500' reel	137.99	130.72	123.48
232506CJ	9503-1000-60	3	1000' reel	261.45	246.93	229.06
234077CJ	9503-U500-60	3	500' unreel box	137.99	130.72	123.49
234076CJ	9503-U1000-60	3	1000' unreel box	261.45	246.93	234.59
232514CJ	9504-100-60	4	100' reel	32.99	27.95	27.15
232522CJ	9504-500-60	4	500' reel	168.69	159.79	150.92
232531CJ	9504-1000-60	4	1000' reel	304.39	287.47	279.99
232549CJ	9505-100-60	5	100' reel	45.49	36.85	34.28
232557CJ	9505-500-60	5	500' reel	192.25	174.78	160.19
232565CJ	9505-1000-60	5	1000' reel	370.55	339.72	313.56
234078CJ	9505-U500-60	5	500' unreel box	188.89	178.95	168.99
234079CJ	9505-U1000-60	5	1000' unreel box	357.89	337.99	321.09

Low Capacitance Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

• Datalene® insulation, chrome PVC jacket
• Nominal DCR: 24Ω/m
• Nominal impedance: 100Ω
• Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234178CJ	1419A-100-60	2	100' reel	$24.99	$22.49	$19.99
234085CJ	1419A-500-60	2	500' reel	99.49	91.19	78.09
234084CJ	1419A-1000-60	2	1000' reel	182.75	167.49	154.59

Audio, Control, and Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

• Polypropylene insulation
• Paper wrap
• Black PVC jacket
• Nominal capacitance: 111pF/m
• Nominal outer diameter: .138" • Color: black



Part No.	Product No.	No. of Pairs	Description	1	5	10
233111CJ	8451-100-10	1	100' reel	$19.99	$18.59	$16.99
233120CJ	8451-500-10	1	500' reel	90.95	82.68	75.79
233138CJ	8451-1000-10	1	1000' reel	163.59	149.99	138.45
234062CJ	8451-U500-10	1	500' unreel box	90.95	82.69	75.79
234061CJ	8451-U1000-10	1	1000' unreel box	163.59	149.99	138.43

Audio, Control, and Instrumentation Cables Non-Plenum (Cont'd)

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

• Polypropylene insulation • PVC jacket
• Nominal capacitance: 111pF/m
• Nominal outer diameter: .135"
• Color: gray



Part No.	Product No.	No. of Pairs	Description	1	5	10
232688CJ	9451-100-08	1	100' reel	$24.99	$22.49	$19.99
232696CJ	9451-500-08	1	500' reel	89.99	79.99	72.99
233411CJ	9451-T1000-08	1	1000' reel	146.49	141.69	134.60

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

• Polyethylene insulation and chrome PVC jacket
• Nominal capacitance: 79pF/m
• Nominal outer diameter: .175"
• Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234190CJ	8761-500-60	1	500' reel	$99.25	$89.99	$81.79
234189CJ	8761-1000-60	1	1000' reel	180.39	165.39	152.66
234192CJ	8761-U500-60	1	500' unreel box	94.99	84.99	79.99
234191CJ	8761-U1000-60	1	1000' unreel box	171.65	146.95	139.99

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

• Polypropylene insulation
• Nominal capacitance: 115pF/m
• Nominal outer diameter: .168"
• Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234179CJ	8723-100-60	2	100' reel	$24.99	$22.49	$19.99
234181CJ	8723-500-60	2	500' reel	114.15	103.55	94.09
234180CJ	8723-1000-60	2	1000' reel	207.49	190.25	175.59
234183CJ	8723-U500-60	2	500' unreel box	114.15	103.55	94.09
234182CJ	8723-U1000-60	2	1000' unreel box	211.99	200.39	189.29

20 AWG stranded (7 x 28) unshielded

• Chrome PVC jacket
• Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	2	5
234171CJ	8205-U500-60	1	500' unreel box	$71.59	$59.25	$56.20
234170CJ	8205-U1000-60	1	1000' unreel box	135.25	123.99	114.45

20 AWG stranded (7 x 28) shielded with 22 AWG stranded TC drain wire

• Semi-rigid PVC insulation and overall chrome PVC jacket
• Nominal capacitance: 180pF/m
• Nominal outer diameter: .300"
• Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234259CJ	9402-100-60	2	100' reel	$64.99	$62.49	$59.99
234261CJ	9402-U500-60	2	500' unreel box	299.99	279.99	259.99
234260CJ	9402-1000-60	2	1000' reel	579.99	531.25	490.35

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

• Tinned copper, twisted pair
• Polyethylene insulation with chrome PVC jacket
• Nominal capacitance: 79pF/m
• Nominal outer diameter: .222"
• Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234184CJ	8760-100-60	1	100' reel	$34.99	$32.49	$29.99
234186CJ	8760-500-60	1	500' reel	124.75	113.19	102.85
234185CJ	8760-1000-60	1	1000' reel	231.19	219.05	208.09
234188CJ	8760-U500-60	1	500' unreel box	99.99	94.99	91.99
234187CJ	8760-U1000-60	1	1000' unreel box	231.19	219.05	207.99

Paired Line Level Analog Audio Cable

20 AWG stranded (7 x 28) with 20 AWG stranded TC drain wire

- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: .204"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234194CJ	8762-100-60	1	100' reel	$23.39	$21.95	$21.19
234196CJ	8762-500-60	1	500' reel	108.59	102.86	97.15
234195CJ	8762-1000-60	1	1000' reel	205.69	194.28	182.86
234198CJ	8762-U500-60	1	500' unreel box	108.59	102.86	97.15
234197CJ	8762-U1000-60	1	1000' unreel box	205.69	194.28	182.86

16 AWG stranded (19 x 29) shielded with 18 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: .313"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
233146CJ	8719-100-60	1	100' reel	$59.99	$54.99	$49.99
233154CJ	8719-500-60	1	500' reel	198.65	180.24	163.88
233162CJ	8719-1000-60	1	1000' reel	349.99	329.99	309.99
234064CJ	8719-U500-60	1	500' unreel box	198.65	180.24	163.88
234063CJ	8719-U1000-60	1	1000' unreel box	349.99	329.99	309.99

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: .355"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
233171CJ	8720-100-60	1	100' reel	$59.99	$51.55	$48.97
233189CJ	8720-500-60	1	500' reel	229.99	214.99	199.99
233197CJ	8720-1000-60	1	1000' reel	429.99	399.99	389.99
234065CJ	8720-U500-60	1	500' unreel box	229.99	214.99	199.99

Paired DataTwist® Category 5e UTP Cable

TIA/EIA – 568-B.2, unbonded-pair cable

- 4 pair unshielded • 24 AWG solid
- Maximum DCR per 100m – 9.38Ω
- Input impedance: 100Ω



1585A series:

- Plenum, FEP Teflon® insulation, Flamarrest® jacket
- Nominal outer diameter: .200"

SALE

1583A series:

- Non-plenum, polyolefin insulation, PVC jacket,
- Nominal outer diameter: .214"

Part No.	Product No.	Color	Description	1	5	10
234092CJ	1585A-100-877	Natural	100' reel	$29.99	$28.49	$26.99
234094CJ	1585A-500-877	Natural	500' reel	129.99	114.99	99.99
234093CJ	1585A-1000-877	Natural	1000' reel	199.99	189.99	179.99
234095CJ	1585A-U1000-877	Natural	1000' unreel box	199.99	189.99	179.99
234096CJ	1585A-U100-D15	Blue	100' unreel box	29.99	28.49	26.99
234098CJ	1585A-U500-D15	Blue	500' unreel box	129.99	114.99	99.99
234097CJ	1585A-U1000-D15	Blue	1000' unreel box	199.99	189.99	179.99
234089CJ	1583A-100-06	Blue	100' reel	9.99	9.49	8.99
234176CJ	1583A-500-06	Blue	500' reel	49.99	44.99	39.99
234090CJ	1583A-1000-06	Blue	1000' reel	85.69	77.75	70.64
234091CJ	1583A-U1000-06	Blue	1000' unreel box	85.69	77.75	70.64

Multi-Conductor Audio, Control, and Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

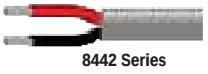
- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: .199" • Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
233234CJ	8771-100-60	3	100' reel	$29.99	$25.95	$24.65
233242CJ	8771-500-60	3	500' reel	99.49	94.31	89.07
233251CJ	8771-1000-60	3	1000' reel	188.85	178.14	167.66
234067CJ	8771-U500-60	3	500' unreel box	99.49	94.31	89.07
234066CJ	8771-U1000-60	3	1000' unreel box	188.85	178.14	167.66

22 AWG stranded (7 x 30) unshielded

- PVC insulation • Color: chrome



8442 Series



8443 Series



8444 Series

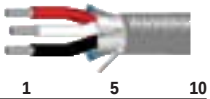


8445 Series

Part No.	Product No.	Conductors	Description	1	5	10
232995CJ	8442-100-60	2	100' reel	$11.99	$10.99	$9.99
233007CJ	8442-500-60	2	500' reel	51.59	48.91	46.19
233015CJ	8442-1000-60	2	1000' reel	96.45	92.38	85.69
234054CJ	8442-U500-60	2	500' unreel box	51.59	48.91	46.19
234053CJ	8442-U1000-60	2	1000' unreel box	96.45	92.38	85.69
233023CJ	8443-100-60	3	100' reel	15.69	14.25	12.94
233031CJ	8443-500-60	3	500' reel	72.75	68.91	65.09
233040CJ	8443-1000-60	3	1000' reel	137.79	130.17	120.75
234056CJ	8443-U500-60	3	500' unreel box	72.75	68.91	65.09
234055CJ	8443-U1000-60	3	1000' unreel box	137.79	130.17	120.75
233058CJ	8444-100-60	4	100' reel	19.99	18.21	16.54
233066CJ	8444-500-60	4	500' reel	92.99	88.07	83.19
233074CJ	8444-1000-60	4	1000' reel	176.19	166.35	154.31
234058CJ	8444-U500-60	4	500' unreel box	92.99	88.07	83.19
234057CJ	8444-U1000-60	4	1000' unreel box	176.19	166.35	154.31
233082CJ	8445-100-60	5	100' reel	25.15	22.76	20.69
233091CJ	8445-500-60	5	500' reel	111.99	101.80	93.33
233103CJ	8445-1000-60	5	1000' reel	220.25	207.99	192.96
234060CJ	8445-U500-60	5	500' unreel box	111.99	101.80	93.33
234059CJ	8445-U1000-60	5	1000' unreel box	220.25	207.99	192.96

20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire

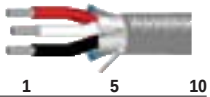
- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: .218" • Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
234253CJ	8772-U500-60	3	500' unreel box	$132.79	$120.77	$110.69
234252CJ	8772-U1000-60	3	1000' unreel box	241.49	221.39	204.35

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: .246" • Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
233200CJ	8770-100-60	3	100' reel	$59.99	$54.99	$49.99
233218CJ	8770-500-60	3	500' reel	165.65	150.29	136.55
233226CJ	8770-1000-60	3	1000' reel	299.99	276.09	254.84
234083CJ	8770-U500-60	3	500' unreel box	165.65	150.29	136.55
234082CJ	8770-U1000-60	3	1000' unreel box	299.99	276.09	254.84

Belden® Cable Now at Jameco!

Professionals don't take chances when it comes to cables, so here's great news. Now you can get your Belden cables from Jameco. The undisputed leader in quality cabling, Belden is the cable of choice for critical applications like Internet, intranet and communication network backbones. We offer the Belden cable of your choice in reels ranging from 100' to 1,000'. You'll find a wide variety of cable types, stranded and solid core, single and multi-conductor, coax, and more. And you'll find them all at very competitive prices, with our fast, efficient service at no extra charge.

RG Type Bulk Coaxial Cable



RG58/U & RG58A/U (50Ω): Nom. cap.: 27pF/ft.; center resist.: 10.4Ω/1kft. @ 77˚F
RG59/U (75Ω): Nominal capacitance: 19pF/ft.; center resist.: 16.5Ω/kft. @ 77˚F
RG174/U (50Ω): Nominal capacitance: 30.8pF/ft.; center resist.: 97Ω/kft. @ 77˚F

- **Prepackaged and priced in increments of 100' or 1000'**

Part No.	Cross Ref. No.	Description	100 ft.	1000 ft.
102226CJ	RG58/U	For ethernet, oscilloscopes (solid 20AWG)	$11.99	$108.50
116898CJ	RG58A/U	For ethernet, oscilloscopes (stranded 20AWG)	18.99	150.00
102218CJ	RG59/U	For CATV & video patch cords (solid 22AWG)	12.99	110.00
112037CJ	RG174/U	For ethernet, oscilloscopes (stranded 26AWG)	18.99	169.00

Solid Hook-Up Wire – 22 AWG



- Temp. range: -55°C to +105°C • Passes UL VW-1 flame test
- MIL-W-16878D type B • Wt.: 100' (0.3 lbs.); 1000' (3.8 lbs.)
- For use with breadboards such as the JE20 series, pg 254

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
36767CJ	122BE/C	Blue	$5.49	36775CJ	122BE/K	Blue	$39.99
36791CJ	122BK/C	Black	5.49	36804CJ	122BK/K	Black	39.99
36821CJ	122G/C	Green	5.49	36839CJ	122G/K	Green	39.99
36855CJ	122R/C	Red	5.49	36863CJ	122R/K	Red	39.99
36880CJ	122W/C	White	5.49	36898CJ	122W/K	White	39.99
36919CJ	122Y/C	Yellow	5.49	36927CJ	122Y/K	Yellow	39.99

Modular Telephone Cable – 28 AWG



103430CJ

- Color coded conductors • Flat modular cable
- PVC jacket • Gray • 7 x 43 stranded

Part No.	Cross Ref. No.	Conductors	100 ft.	1000 ft.	5000 ft.
103430CJ	MTC4	4	$3.49	$30.00	$140.00
103448CJ	MTC6	6	7.49	50.00	235.00
103450CJ	MTC8	8	9.99	62.00	265.00

2-Conductor Power/Speaker Cable – 24 AWG



- Black wire with white polarity stripe
- Temperature rating: 20˚C to 60˚C
- Stranded copper wire (7 x 32) • Operating voltage: 300V

Part No.	Cross Ref. No.	Wt. (lbs.)	100 ft.	Part No.	Cross Ref. No.	Wt. (lbs.)	1000 ft.
100280CJ	224BK/C	0.8	$5.59	100298CJ	224BK/K	7.8	$43.95

Category 5 Network Cable



118130CJ

- 100MHz • 8C • 4 twisted pairs • UTP
- Insulation: polyethylene • Nom. OD.: 0.189"
- Nom. impedance: 100Ω

Solid: uses modular plug P/N 119343CJ, pg 99
Stranded: uses modular plug P/N 79281CJ, pg 99

- **Prepackaged and priced in increments of 25', 100' or 1000'**

See pages 98 - 99 for more Modular Cable and Connectors

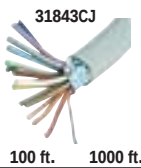
24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Description	25 ft.	100 ft.	1000 ft.
176225CJ	Solid (gray)	$4.99	$17.00	$100.00
176233CJ	Stranded (gray)	5.99	21.00	180.00
201582CJ	Stranded (blue)	5.99	18.00	160.00

24 AWG UTP Category 5 – 100MHz

Part No.	Description	25 ft.	100 ft.	1000 ft.
118130CJ	Stranded (gray) (7/32 AWG)	$5.95	$19.35	$164.50

Multiconductor Shielded Computer Communication Cable – 24 AWG



31843CJ

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC) • Color: gray
- Voltage rating: 300V • 24 AWG (7 x 32 AWG)
- Shielded 100% w/ aluminum mylar • Drain wire

- **Prepackaged and priced in increments of 25', 100' or 1000'**

Part No.	Cross Ref. No.	Conductors	Diameter	25 ft.	100 ft.	1000 ft.
31860CJ	SC4	4	0.20"	$4.75	$17.00	$140.00
31878CJ	SC9	9	0.23"	11.25	35.00	270.00
31843CJ	SC15	15	0.28"	14.75	49.00	430.00
31851CJ	SC25	25	0.37"	22.25	71.00	590.00

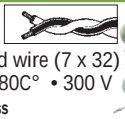
UL 1430 Stranded Hook-up Wire



- Temperature rating: 105˚C • Voltage: 300V • 18/20 AWG
- Average wall thickness: .016 • **Sold in 100' rolls**

Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
307918CJ	18	Black	19 x 30	.082	2.083	$12.95	$11.65	$10.49
307926CJ	18	Red	19 x 30	.082	2.083	12.95	11.65	10.49
305015CJ	18	Orange	7 x 26	.082	2.083	12.95	11.65	10.49
305023CJ	18	Yellow	7 x 26	.082	2.083	12.95	11.65	10.49
304995CJ	20	Yellow	19 x 32	.071	1.803	12.95	11.65	10.49
305007CJ	20	Gray	19 x 32	.071	1.803	12.95	11.65	10.49
304979CJ	20	Blue	7 x 28	.070	1.778	12.95	11.65	10.49
304987CJ	20	Gray	7 x 28	.070	1.778	12.95	11.65	10.49
307897CJ	20	Black	7 x 28	.070	1.778	12.95	11.65	10.49
307900CJ	20	Red	7 x 28	.070	1.778	12.95	11.65	10.49

Twisted Pair Cable – 24 AWG



- PVC insulation • Use for hook up wire • Stranded tinned wire (7 x 32)
- Reduced EMI • Wt.: 100' (0.5 lbs.); 1000' (4.7 lbs.) • 80C° • 300 V

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
105911CJ	224GW/C	Green/white	$5.49	105806CJ	224GW/K	Green/white	$44.95
173147CJ	224RW/C	Red/white	5.49	173155CJ	224RW/K	Red/white	44.95
173163CJ	224BW/C	Black/white	5.49	173171CJ	224BW/K	Black/white	44.95

Kynar™ Wire Wrap Wire – 30 AWG



22541CJ

- Assorted color coded insulation • Used for prototyping
- Color coded Kynar™ (Polyvindene Fluoride) insulation
- Silver plated copper (solid conductor) • UL 1423
- Temperature: -40°C to +125°C • See pg 120 for sockets
- Wire wrap tools, pg 244 • Passes UL VW-1 flame test

Part No.	Color	Wt. (lbs.)	100 ft.	Part No.	Color	Wt. (lbs.)	1000 ft.
22541CJ	Blue	0.1	$4.95	22550CJ	Blue	0.6	$29.95
22576CJ	Black	0.1	4.95	22584CJ	Black	0.6	29.95
22630CJ	Red	0.1	4.95	22648CJ	Red	0.6	29.95
22664CJ	White	0.1	4.95	22672CJ	White	0.6	29.95
22605CJ	Green	0.1	4.95	22613CJ	Green	0.6	29.95
22699CJ	Yellow	0.1	4.95	22701CJ	Yellow	0.6	29.95

Gray Flat Ribbon Cable – 28 AWG



103481CJ

- Single edge red stripe for pin 1 orientation
- Insulation: polyvinyl chloride (PVC) • 28 AWG (7 x 36) • Center spacing: 0.05"
- Voltage rating: 300V • Stranded copper wire • Temp. rating: -20°C to +80°C
- **Prepackaged and priced in increments of 10', 25', 100' or 500'**

For More Ribbon Cable see pg 111.

Part No.	Cross Ref. No.	Conductors	10 ft.	25 ft.	100 ft.	500 ft.
135538CJ	171-10	10	$1.49	$3.20	$11.50	$47.50
37671CJ	171-16	16	2.19	5.00	16.00	70.00
37719CJ	171-20	20	3.99	6.25	16.00	65.00
37760CJ	171-25	25	3.89	8.75	25.00	110.00
37807CJ	171-26	26	3.49	8.00	25.00	120.00
37840CJ	171-34	34	4.25	9.25	32.00	120.00
37911CJ	171-37	37	5.89	11.75	32.00	125.00
37920CJ	171-40	40	7.39	17.50	48.00	215.00
37954CJ	171-50	50	6.75	14.50	49.00	210.00
103481CJ	171-60	60	8.95	19.75	65.00	285.00

Multicolor Flat Ribbon Cable – 28 AWG



105718CJ

- Standard 10-color repeat sequence • 28 AWG (7 x 36)
- Center spacing: 0.05" • Voltage rating: 300V
- Temp. rating: -20°C to +80°C • Stranded copper wire
- **Prepackaged and priced in increments of 10', 25', 100' or 500'**

Part No.	Cross Ref. No.	Conductors	10 ft.	25 ft.	100 ft.	500 ft.
112547CJ	28RC10	10	$1.95	$4.50	$17.50	$70.00
105671CJ	28RC16	16	3.25	7.25	24.00	110.00
105689CJ	28RC20	20	3.95	9.00	30.00	135.00
105697CJ	28RC25	25	6.29	14.25	49.95	219.95
105700CJ	28RC34	34	6.99	14.75	49.00	235.00
105726CJ	28RC40	40	8.69	19.55	69.49	299.95
105718CJ	28RC50	50	10.95	24.95	85.95	384.95

UL 1007 Stranded Hook-Up Wire

300 Volts

A Jameco EXCLUSIVE



- 80°C • PVC insulation • CSA: TR-64
- 22 AWG (7x30)[1]; 20 AWG (10x30)[2]; 18 AWG (16x30)[3]
- Temperature range: -40°C to +80°C • **Sold in 100' rolls**

Part No.	Cross Ref.	Color	Wt. (lbs.)	1	5
126084CJ	223SBK/C[1]	Black	0.4	$3.39	$3.19
126033CJ	223SR/C[1]	Red	0.4	3.39	3.19
126076CJ	223SW/C[1]	White	0.4	3.39	3.19
310851CJ	UL1007-22-GR-C[1]	Green	1.0	3.39	3.19
310877CJ	UL1007-22-YL-C[1]	Yellow	1.0	3.39	3.19
310885CJ	UL1007-22-BL-C[1]	Blue	1.0	3.39	3.19
125840CJ	203SBK/C[2]	Black	0.6	4.95	4.75
125794CJ	203SR/C[2]	Red	0.5	4.95	4.75
125831CJ	203SW/C[2]	White	0.5	4.95	4.75

Part No.	Cross Ref.	Color	Wt. (lbs.)	1	5
310893CJ	UL1007-20-GR-C[2]	Green	1.0	$4.95	$4.75
310914CJ	UL1007-20-YL-C[2]	Yellow	1.0	4.95	4.75
310922CJ	UL1007-20-BL-C[2]	Blue	1.0	4.95	4.75
125786CJ	183SBK/C[3]	Black	0.8	5.79	5.55
125735CJ	183SR/C[3]	Red	0.8	5.79	5.55
125751CJ	183SW/C[3]	White	0.8	5.79	5.55
310931CJ	UL1007-18-GR-C[3]	Green	1.0	5.79	5.55
310949CJ	UL1007-18-YL-C[3]	Yellow	1.0	5.79	5.55
310957CJ	UL1007-18-BL-C[3]	Blue	1.0	5.79	5.55

See page 205 for additional Floppy Drive Cables

Disk Drive Cables



185084CJ 32918CJ 185076CJ 72805CJ 175492CJ

✪ Blue Part No. = Limited Quantity Available

Quantity SAVE

Part No.	Description	Cable Length	1	10	100
185084CJ	34-pin header socket ribbon cable for floppy drive	25"	$1.19	$.99	$.75
185068CJ	34-pin header socket ribbon cable for floppy to card ✪	9"	2.95	2.51	1.88
32918CJ	34-pin header socket ribbon cable for floppy to card ✪	23"	3.49	2.97	2.22
355637CJ	40-pin IDE hard drive cable to card	11.5"	6.65	6.30	5.99
185076CJ	40-pin IDE hard drive cable to card	14"	.79	.65	.49
32686CJ	40-pin IDE hard drive cable to card	18"	3.95	3.49	2.95
72805CJ	Two 40-pin header socket ribbon cable for IDE drive	18"	3.69	3.14	2.35
175492CJ	40-pin header socket ribbon cable for ultra DMA66/100	17"	6.95	6.25	5.49

Internal and External SCSI Cables for Complete Connectivity



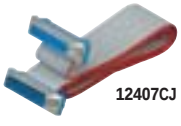
32715CJ 137550CJ 118084CJ 118076CJ

- For PC/XT/AT and compatibles • All lines connected

Part No.	Description	1	10	100
32715CJ	50-pin header socket ribbon cable SCSI-I (18")	$3.95	$3.49	$2.95
137550CJ	68-pin header internal ribbon cable SCSI-III (27")	12.49	11.25	10.15
118084CJ	Male 50-pin Centronics to male HPDB50 cable SCSI-I to SCSI-II (6')	11.29	10.25	9.35
118076CJ	Male HPDB50 to male HPDB50 SCSI-II to SCSI-II (6')	17.95	15.95	13.95

Ribbon Cable Assemblies

- Metal connector
- 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts



12407CJ

Part No.	Description	1	10	100
12407CJ	4' DB25 M-F	$4.49	$3.95	$3.59
208581CJ	6' DB9 M-F	3.95	3.55	3.19

PC/XT/AT & PS/2 Keyboard Extension Cables

- Color: beige

Quantity SAVE

114981CJ/112045CJ/:
- 5-pin DIN male-to-female

28548CJ/111053CJ:
- 6-pin mini DIN female-to-male



114981CJ

Part No.	Description	1	10	100
114981CJ	PC/XT/AT 6' non-coiled	$1.99	$1.69	$1.27
112045CJ	PC/XT/AT 10' non-coiled	3.95	3.36	2.52
28548CJ	PS/2 6' non-coiled	4.35	3.89	3.49
111053CJ	PS/2 10' non-coiled	5.49	4.99	4.39

AT-to-PS/2 and PS/2-to-AT Keyboard Adapter Cables

28003CJ/319783CJ:
- Connects AT-type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN



28003CJ

310789CJ:
- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connectors

Part No.	Length	Color	1	10	100
319783CJ	4.5"	Black	$2.45	$2.19	$1.99
28003CJ	6.5"	Beige	3.95	3.49	3.15
310789CJ	7.5"	Beige	3.95	3.49	3.15

Dual PS/2 Adapter

Converts a dual PS/2 female to a single PS/2 male.

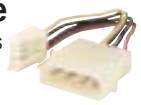
- Size: 1.9"L x 1.2"W



Part No.	Description	1	10	100
319791CJ	PS/2 adapter	$2.75	$2.59	$2.45

3.5" Disk Drive Power Adapter Cable

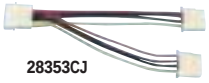
- IBM PC/XT and higher compatibles
- Allows connection of standard 3.5" disk drives to power supplies



Part No.	Length	AWG	1	10	100
28396CJ	3.5"	22	$2.49	$2.25	$1.95

3.5" & 5.25" Disk Drive Power Splitters

- IBM PC/XT and higher compatibles
- Splits 4-line Molex male into 2 females



28353CJ

Part No.	Drive	AWG	Length	1	10	100
28353CJ	5.25"	18	5"	$2.95	$2.69	$2.39
277528CJ	5.25"	20	6"	2.85	2.59	2.25
72303CJ	3.5"	22	5"	2.75	2.49	2.19

AT/ATX Power Supply Extension Cables

348891CJ
- For use with 12-pin AT power supplies



348891CJ

326490CJ/170237CJ
- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply



170237CJ

Part No.	Length	AWG	1	10	100
348891CJ	9.75"	18	$1.89	$1.78	$1.69
326490CJ	13"	18	5.35	5.09	4.79
170237CJ	15"	18	5.95	5.65	5.35

IEEE 1284 Parallel/ Serial High Speed Cables

Compatible with bidirectional communication data flow resulting in speeds up to 10 times faster than conventional applications.



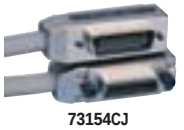
223845CJ

- Double shielded with 28 AWG stranded twisted pair inner conductors
- Molded shells, PVC plastic
- Color: beige (P/N 130067CJ/319767CJ); black (P/N 161630CJ); gray (P/N 223845CJ)
- Weight: 0.6 lbs.

Part No.	Description	1	10
130067CJ	6' DB25 M-Cent. parallel 36M	$11.95	$10.95
319767CJ	6' DB25 M-Cent. parallel 36M	4.95	4.69
223845CJ	6' DB25 M-Cent. parallel 36M	11.95	10.95
161630CJ	10' DB25 M-M serial cable	14.95	13.49

IEEE 488 Cables

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters maximum length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends. • Color: gray



73154CJ

Part No.	Description	Wt. (lbs.)	1	10	25
73154CJ	1 meter	0.8	$36.49	$32.79	$29.49
115781CJ	2 meter	1.2	37.95	34.19	30.95
115801CJ	4 meter	2.0	38.95	36.19	31.95

Wire & Cable

RGB Video Cables

- 75Ω coaxial cable; 6' or 10'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male
- Weight: 0.9 lbs.

Quantity SAVE


73648CJ

Part No.	Description	1	10	25
73648CJ	6' cable (black)	$19.95	$16.99	$12.75
118068CJ	10' cable (black)	23.35	19.85	14.89

Serial Null Modem Cables

- Molded type connectors
- Color: gray

181403CJ/180697CJ Pin outs: 1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7


180697CJ

181438CJ Pin outs: 2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)

180582CJ Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)


180582CJ

180742CJ Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8


180742CJ

Part No.	Description	Wt. (lbs.)	1	10	50
181403CJ	6' DB9 F to DB9 F	0.3	$5.69	$5.09	$4.59
180697CJ	10' DB9 F to DB9 F	0.4	6.79	6.09	5.49
181438CJ	6' DB25 M to DB9 F	0.4	4.95	4.49	3.95
180582CJ	10' DB25 M to DB9 F	0.4	6.69	6.05	5.45
180742CJ	10' DB25 F to DB9 F	0.5	7.39	6.65	5.99

VGA Monitor Cables

- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDDB15 male to male


66173CJ

Part No.	Description	1	10	100
66173CJ	6' monitor cable	$6.49	$5.89	$5.29
148523CJ	10' monitor cable	6.95	6.25	5.59

9-Pin Monitor Cable

- For monochrome, RGB, EGA and multisync monitors
- Connects video card to monitor
- IBM PC/XT and higher compatibles



Part No.	Description	1	10	100
66157CJ	6' DB9 M-M	$4.45	$3.95	$3.55

VGA Monitor Extension Cables

- Extends VGA monitor cable; HDDB15 male-to-female
- IBM PC/XT and higher compatibles

134041CJ: • HDDB15 female w/ hex nuts and HDDB15 male w/ thumbscrews

66165CJ/148531CJ/ 355661CJ:

• Thumbscrews on each end


134041CJ

Part No.	Description	1	10	100
134041CJ	6' screws/hex nuts	$4.49	$3.95	$3.49
66165CJ	6' thumbscrews	6.59	5.95	5.35
148531CJ	10' thumbscrews	7.49	6.79	5.99
355661CJ	10' thumbscrews	5.49	3.94	3.39

Macintosh® Printer Cables

JAMECO ValuePro



10604CJ — 130024CJ

Part No.	Description	1	10	50
10604CJ	6' mini DIN8M	$3.29	$3.15	$2.99
130024CJ	10' mini DIN8M	5.99	5.39	4.85

DA15 Extension Cables

- Molded connectors
- Straight through
- Thumbscrews
- Color: gray (**237032CJ**: black)


181286CJ

Part No.	Description	Length	1	10	100
181286CJ	DA15 M-M	6'	$5.49	$4.95	$4.45
181358CJ	DA15 M-F	6'	5.49	4.95	4.45
237032CJ	DA15 M-F	8'	6.99	5.95	4.45

DB25-to-Centronics Parallel Printer Cables

- Molded and fully shielded DB25 male and 36-pin Centronics male connectors
- IBM PC/XT and higher compatibles

Quantity SAVE


28716CJ


164777CJ

Part No.	Description	Wt. (lbs.)	1	10	100
28716CJ	6' straight	0.4	$4.69	$3.99	$2.99
223845CJ	6' straight†	0.6	11.95	10.95	9.75
123781CJ	10' straight	0.6	5.95	5.09	3.79
164777CJ	10' right angle*	0.7	4.95	4.45	3.95
28708CJ	15' straight	0.8	5.95	5.09	3.79
101899CJ	25' straight	1.1	5.95	5.06	3.79

* Centronics right angle † IEEE 1284

37-Pin Straight Through Cable Adapters

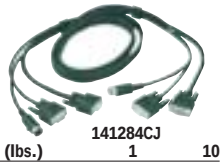

180611CJ — 181294CJ

- Molded connectors • Color: gray • Weight: 0.9 lbs.

Part No.	Description	1	10	100
180611CJ	6' DC37 M-M	$6.95	$6.29	$5.65
181294CJ	6' DC37 M-F	5.95	5.49	4.95

Monitor/Mouse/Keyboard Cables

- 6' or 32'
- HDDB15 male/female for monitor, 5-pin DIN male/female for keyboard, and DB9 male/female for mouse


141284CJ

Part No.	Description	Wt. (lbs.)	1	10
141284CJ	6' cable	1.6	$22.95	$19.95
141276CJ	32' cable	4.8	39.95	35.95

Switch Box Adapter Cables

177261CJ: Male to male non-coiled cable for P/N 79177CJ switch box, pg 211

114913CJ: Male to male coiled cable for P/N 114155CJ switch box, pg 211

174772CJ: Male to male

174908CJ/205655CJ: Male to male non-coiled

112627CJ: Male to male non-coiled cable for P/N 79177CJ switch box, pg 211

Quantity SAVE


174772CJ


205655CJ

Part No.	Description	Length	1	10	50
114913CJ	5-pin DIN	5' (gray)	$4.95	$4.21	$3.16
177261CJ	6-pin mini DIN	2' (gray)	2.95	2.55	1.89
174772CJ	6-pin mini DIN	6' (black)	4.95	4.25	3.19
174908CJ	6-pin mini DIN	6' (gray)	5.75	5.15	4.65
112627CJ	6-pin mini DIN	10' (beige)	7.95	7.25	6.49
205655CJ	6-pin mini DIN	25' (beige)	8.95	7.95	6.95

DB9 Extension Cables


132345CJ


25700CJ

- All lines connected straight through

132345CJ/196365CJ: DB9 female to DB9 female cable with thumbscrews

199638CJ/25700CJ/148515CJ: DB9 male to DB9 female cable with thumbscrews

181665CJ: DB9 male to DB9 male cable

Part No.	Description	1	10	100	1000
132345CJ	6' F-F	$4.95	$4.49	$3.95	$3.49
199638CJ	6' M-F (black)	4.49	3.95	3.49	2.95
25700CJ	6' M-F	4.95	4.49	3.95	3.49
196365CJ	10' F-F	6.95	6.25	5.59	4.95
148515CJ	10' M-F	7.49	6.79	5.99	4.95
181665CJ	10' M-M	6.95	6.25	5.59	4.95

9-Pin Test Cable

- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

Quantity SAVE


162915CJ

Part No.	Description	1	10	100
162915CJ	DB9 male to DB9 female	$2.95	$2.51	$1.88

DB9-to-DB25 AT-Adapter Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors


31721CJ

Part No.	Description	1	10	100
109583CJ	1' serial, beige	$4.35	$3.95	$3.49
189333CJ	3' serial, beige	3.95	3.39	2.55
207790CJ	4' serial, beige	2.35	2.15	1.95
31721CJ	6' serial, beige	3.89	3.55	3.15
191361CJ	6' serial, gray	4.39	3.99	3.15
155521CJ	10' serial, beige	3.95	3.55	3.15

DB25 Extension Cables

- All lines connected straight through
- Use to lengthen your standard serial cable or for switch box applications
- Thumbscrews to secure connectors
- Color: gray; except P/Ns **174001CJ/175290CJ:** black*


67256CJ

Part No.	Description	Wt. (lbs.)	1	10	50	100
174001CJ	3' M-M*	0.6	$4.79	$4.35	$3.89	$3.49
65787CJ	6' M-M	0.5	6.49	5.89	5.29	4.89
39538CJ	10' M-M	0.7	6.95	6.29	5.05	3.69
179979CJ	15' M-M	1.2	6.95	6.29	5.05	3.65
67070CJ	25' M-M	1.4	10.95	9.95	8.95	7.95
180435CJ	50' M-M	3.6	14.95	13.49	11.95	9.95
164291CJ	3' M-F	0.4	4.29	3.89	3.49	2.95
175290CJ	3' M-F*	0.4	2.95	2.69	2.25	1.59
163133CJ	5' M-F	0.6	5.29	4.75	4.29	3.85
67256CJ	6' M-F	0.6	6.45	5.79	5.25	4.69
39511CJ	10' M-F	0.7	6.95	6.29	5.05	3.69
177279CJ	15' M-F	1.0	9.49	8.55	7.69	6.25
101995CJ	25' M-F	1.4	11.95	10.79	9.69	7.95
181201CJ	50' M-F	3.2	17.95	14.39	10.79	8.09
224266CJ	6' F-F	0.7	4.95	3.95	2.95	2.09

USB-A Cables with Bracket

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors
- 8" long


144813CJ

Part No.	Description	1	10	25
144813CJ	Female panel mount	$3.95	$3.75	$3.55
319652CJ	Male panel mount	3.95	3.75	3.55

USB-to-Centronics Printer Cable

SALE



- Full compliance with the USB spec V.1.0
- USB-A male to 36-pin male centronics connector
- Supports true bidirectional communication
- Applicable to standard and bidirectional printers

Part No.	Description	1	10	25
155352CJ	6' USB cable	$23.75	$22.56	$21.43

USB to Serial Adapter with Prolific Chipset



This USB serial adapter provides an external Plug-and-Play RS-232 port for computers, notebooks, laptops, and handheld computing devices. Provides high-quality serial connections at transfer rates of more than 500kbps.

- Frees existing RS-232 ports for other uses
- Supports RS-232 serial interface, automatic hand-shake mode, remote wake-up & power management
- Provides a 96-byte buffer for each upstream and downstream data transfer • Weight: 1.5 lbs.
- Full compliance with USB specification v 1.1
- 7" cable with DB25 male connector and 14" cable with USB-A connector • Size: 2.7"L x 1.6"W x 0.7"H

System requirements: Windows®98/2000, USB host controlled installed in the system

Includes: 3.5" software and manual

Part No.	Description	1	5
213006CJ	USB-A to serial converter	$29.95	$27.95

IEEE 1394 Firewire Cables


175821CJ 175839CJ 175847CJ

Connect your computer to the latest high speed Firewire peripherals.

- IEEE-1394 compliant • UL approved
- Molded connectors

4-pin Male to 4-pin Male

Part No.	Description	1	10	25
222631CJ	3' cable black	$5.99	$5.39	$4.99
175821CJ	6' cable black	7.99	6.99	5.99
222244CJ	10' cable black	9.99	8.99	7.99
222252CJ	15' cable black	12.99	11.69	10.49

4-pin Male to 6-pin Male

Part No.	Description	1	10	25
222623CJ	3' cable black	$5.99	$5.39	$4.99
175839CJ	6' cable black	7.99	6.99	5.99
222228CJ	10' cable black	9.99	8.99	7.99
222236CJ	15' cable black	12.99	11.69	10.49

6-pin Male to 6-pin Male

Part No.	Description	1	10	25
222615CJ	3' cable black	$5.99	$5.39	$4.99
175847CJ	6' cable black	7.99	6.99	5.99
222201CJ	10' cable black	9.99	8.99	7.99
222210CJ	15' cable black	12.99	11.69	10.49

USB-to-DB9 Serial Adapter

NEW

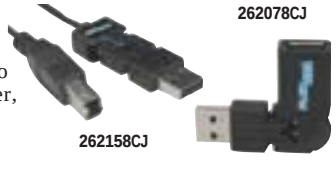


- USB-A to DB9 male
- Length: 13"
- Supports automatic handshake mode
- Over 230kbps data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

Part No.	Description	1	10
387954CJ	USB-A to DB9	$17.95	$16.15

Flexible USB Cable and Adapter

FlexUSB™ is a compact, lightweight accessory that bends, rotates, and flexes to your desired angle. It provides a means to position USB devices, allowing you to use it with any computer, even in the most cramped environment. Its unique ratcheting design makes it possible to position your USB devices that are compatible with both Windows® and MAC platforms.


262078CJ
262158CJ

Part No.	Description	1	5
262078CJ	Flexible USB adapter A M-F	$10.95	$9.85
262158CJ	Flexible USB cable with A-M to B-M connectors	11.95	10.85

Flexible USB cables and adapters make plugging in cables an ease, especially in tight spots!

USB Gender Adapters

Part No.	Description	Dimensions	1	10	25
321251CJ	USB-A male to USB-A male	1.9"L x 0.6"W	$2.79	$2.65	$2.39
169383CJ	USB-A male to USB-B female	1.3"L x 0.4"W	2.69	2.49	2.25
169375CJ	USB-A female to USB-B male	1.7"L x 0.6"W	2.69	2.49	2.25
316806CJ	USB-A female to USB-A female	1.5"L x 0.7"W	2.69	2.49	2.25
321699CJ	USB-B male to USB-B male	2.0"L x 0.4"W	2.79	2.65	2.49
316822CJ	USB-B female to USB-B female	1.4"L x 0.7"W	2.69	2.49	2.25


316806CJ
316822CJ

USB 2.0 Cables


USB-A (M) to USB-A (M) USB-A (M) to USB-B (M) USB-A (M) to USB-A (F)

- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 pro

USB-A Male to USB-A Male

Part No.	Description	1	10	25
326473CJ	3' cable beige	$1.55	$1.39	$1.29
229681CJ	6' cable beige	1.65	1.49	1.39
222033CJ	6' cable black	1.65	1.49	1.39
229551CJ	6' cable clear	1.65	1.49	1.39
229690CJ	10' cable beige	1.89	1.75	1.65
222041CJ	10' cable black	1.89	1.75	1.65
229569CJ	10' cable clear	1.89	1.75	1.65
229702CJ	15' cable beige	2.85	2.59	2.49
222050CJ	15' cable black	2.85	2.59	2.49
229577CJ	15' cable clear	2.85	2.59	2.49

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711CJ	3' cable beige	$1.55	$1.39	$1.29
222607CJ	3' cable black	1.55	1.39	1.29
229585CJ	3' cable clear	1.55	1.39	1.29
229729CJ	6' cable beige	1.65	1.49	1.39
222009CJ	6' cable black	1.65	1.49	1.39
229593CJ	6' cable clear	1.65	1.49	1.39
229737CJ	10' cable beige	1.89	1.75	1.65
222017CJ	10' cable black	1.89	1.75	1.65
229606CJ	10' cable clear	1.89	1.75	1.65
229761CJ	15' cable beige	2.85	2.59	2.49
222025CJ	15' cable black	2.85	2.59	2.49
229614CJ	15' cable clear	2.85	2.59	2.49

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326481CJ	3' cable beige	$1.55	$1.39	$1.29
229770CJ	6' cable beige	1.65	1.49	1.39
222068CJ	6' cable black	1.65	1.49	1.39
229622CJ	6' cable clear	1.65	1.49	1.39
229788CJ	10' cable beige	1.89	1.75	1.65
222076CJ	10' cable black	1.89	1.75	1.65
229631CJ	10' cable clear	1.89	1.75	1.65
229796CJ	15' cable beige	2.85	2.59	2.49
222084CJ	15' cable black	2.85	2.59	2.49
229649CJ	15' cable clear	2.85	2.59	2.49

USB 1.1 Cables

USB-A Male to USB-B Male


169359CJ

Part No.	Description	1	10	25
308726CJ	5' cable (black) ~~$3.89~~	$2.99	$2.54	$1.91
169359CJ	6' cable	4.95	4.49	3.95

USB Keyboard Adapter

USB to PS/2

- USB-A female to 6-pin mini DIN male (PS/2)



Part No.	Description	1	10	25
316831CJ	USB-A to PS/2	$1.79	$1.59	$1.39

Wire & Cable

Color Code Legend: New Sale Lower$ QtySave

Category 5e Network Cables



- UTP
- 8P8C
- 4 pair
- 24 AWG (7 x 43) stranded
- "Snagless" boot
- Color coded for easy wire tracing
- High-flexibility
- Achieve optimum system performance

Category 5e (350MHz)

Part No.	Length	Color	1	10	100
168292CJ	3 ft.	Gray	$1.79	$1.49	$1.39
168305CJ	7 ft.	Gray	2.99	2.59	2.39
168313CJ	15 ft.	Gray	5.29	4.39	3.99
168321CJ	25 ft.	Gray	7.99	6.79	6.39
201777CJ	3 ft.	Red	1.79	1.49	1.39
201785CJ	7 ft.	Red	2.99	2.59	2.39
201793CJ	15 ft.	Red	6.95	5.95	4.45
201806CJ	25 ft.	Red	7.99	6.79	6.39
201697CJ	3 ft.	Black	1.79	1.49	1.39
201700CJ	7 ft.	Black	2.99	2.59	2.39
201718CJ	15 ft.	Black	5.29	4.39	3.99
201726CJ	25 ft.	Black	7.99	6.79	6.39
201734CJ	3 ft.	Blue	1.79	1.49	1.39
201742CJ	7 ft.	Blue	2.99	2.59	2.39
201751CJ	15 ft.	Blue	5.29	4.39	3.99
201769CJ	25 ft.	Blue	7.99	6.79	6.39
201814CJ	3 ft.	Yellow	1.79	1.49	1.39
201822CJ	7 ft.	Yellow	2.99	2.59	2.39
201831CJ	15 ft.	Yellow	5.29	4.39	3.39
201849CJ	25 ft.	Yellow	7.99	6.79	6.39

Category 5 (100MHz)

Part No.	Length	Color	1	10	100
281261CJ	7 ft.	Gray	$2.49	$2.39	$2.25
281455CJ	25 ft.	Gray	4.35	4.15	3.95
277641CJ	6 ft.	Red	2.49	2.25	1.99
277659CJ	12 ft.	Black	2.99	2.69	2.45
203051CJ	10 ft.	Blue	2.75	2.15	1.59
277675CJ	12 ft.	Blue	2.99	2.69	2.45
277616CJ	6 ft.	Yellow	2.49	2.25	1.99
277667CJ	12 ft.	Yellow	2.99	2.69	2.45

Bulk Modular Network Cables



118130CJ

- 8 Conductor
- UTP
- 4 twisted pairs
- Insulation: polyethylene
- Nom. OD.: 189"
- Nominal impedance: 100Ω

Solid: uses modular plug P/N 119343CJ, pg 99
Stranded: uses modular plug P/N 79281CJ, pg 99
118130CJ/201646CJ: 7/32 AWG

- **Prepackaged and priced in increments of 25', 100' or 1000'**

24 AWG UTP Category 5e – 350MHz

Part No.	Description	25 ft.	100 ft.	1000 ft.
176225CJ	Solid (gray)	$4.99	$17.00	$100.00
201603CJ	Solid (blue)	4.99	14.00	90.00
176233CJ	Stranded (gray)	5.99	21.00	180.00
201574CJ	Stranded (red)	5.99	18.00	160.00
201591CJ	Stranded (black)	5.99	18.00	160.00
201582CJ	Stranded (blue)	5.99	18.00	160.00
201566CJ	Stranded (yellow)	5.99	18.00	160.00

24 AWG UTP Category 5 – 100MHz

Part No.	Description	25 ft.	100 ft.	1000 ft.
118130CJ	Stranded (gray)	$5.95	$19.35	$164.50
201646CJ	Stranded (black)	5.49	15.00	140.00

CAT 5e Crossover Cables



- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP

Part No.	Description	1	10	100
302041CJ	6' cable RJ45	$3.75	$3.39	$3.05
169261CJ	10' cable RJ45	6.95	6.25	5.59

Keystone-Type Wall Plates

- Size: 2.8"W x 4.5"H



195557CJ

212960CJ

Part No.	No. of ports	Color	1	10	100
195549CJ	1	Ivory	$1.25	$1.15	$.99
195557CJ	2	Ivory	1.25	1.15	.99
195565CJ	3	Ivory	1.25	1.05	.79
195573CJ	4	Ivory	1.25	1.05	.79
212978CJ	1	White	1.25	1.15	.99
212994CJ	2	White	1.25	1.15	.99
212986CJ	3	White	1.25	1.15	.99
212960CJ	4	White	1.25	1.15	.99
213508CJ	Hole Filler	White	.29	.25	.19

Modular RJ-45 & RJ-11 Jacks

Punchdown Keystone Type



212943CJ

- Removable jacks used in wall plates (clip in)
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D

RJ45: 8P8C **RJ11:** 6P6C



213516CJ

RJ45

Part No.	Color	1	10	100
195590CJ	Red	$3.75	$3.55	$3.19
195602CJ	Yellow	3.75	3.55	3.19
195611CJ	Green	3.75	3.19	2.39
195629CJ	Black	3.75	3.55	3.19
195637CJ	Ivory	3.75	3.38	2.99
212951CJ	Blue	3.75	3.55	3.19
212943CJ	White	3.75	3.55	3.19

RJ11

Part No.	Color	1	10	100
213524CJ	Black	$3.75	$3.55	$2.99
213516CJ	White	3.75	3.55	3.19

BNC/F-Type Jacks



195645CJ

- Removable jacks used in wall plates (see above)
- Clip on for easy installation on wall plates
- Keystone type

SALE



224637CJ

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Color	1	10	100
195645CJ	F-Type F to F✪	Ivory	$.99	$.90	$.82
224645CJ	F-Type F to F✪	White	.99	.91	.83
224637CJ	BNC F to F	White	1.55	1.41	1.28

RJ11 Retractable Cable

This RJ11 cable extends up to 8'. And when you pack up, give it a tug and it retracts into its lightweight, rugged case like a windowshade. It's completely tangleproof.



Part No.	Description	Price
233349CJ	RJ11 retractable cable	$2.95

Category 6 Network Cables



- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 Category 6 draft 8



Category 6

Part No.	Length	Color	1	10	50
219707CJ	3 ft.	Gray	$2.79	$2.69	$2.56
219715CJ	7 ft.	Gray	3.99	3.87	3.68
219723CJ	14 ft.	Gray	6.59	6.37	6.05
219731CJ	25 ft.	Gray	9.39	8.92	8.47
219740CJ	50 ft.	Gray	14.29	13.58	12.90
219854CJ	3 ft.	Blue	2.79	2.69	2.56
219862CJ	7 ft.	Blue	3.99	3.87	3.68
219871CJ	14 ft.	Blue	6.59	6.37	6.05
219889CJ	25 ft.	Blue	9.39	8.92	8.47
219897CJ	50 ft.	Blue	14.29	13.58	12.90
220003CJ	3 ft.	White	2.79	2.69	2.56
220011CJ	7 ft.	White	3.99	3.87	3.68
220020CJ	14 ft.	White	6.59	6.37	6.05
220038CJ	25 ft.	White	9.39	8.92	8.47
220046CJ	50 ft.	White	14.29	13.58	12.90
219900CJ	3 ft.	Red	2.79	2.69	2.56
219918CJ	7 ft.	Red	3.99	3.87	3.68
219926CJ	14 ft.	Red	6.59	6.37	6.05
219934CJ	25 ft.	Red	9.39	8.92	8.47
219942CJ	50 ft.	Red	14.29	13.58	12.90
219803CJ	3 ft.	Green	2.79	2.69	2.56
219811CJ	7 ft.	Green	3.99	3.87	3.68
219820CJ	14 ft.	Green	6.59	6.37	6.05
219838CJ	25 ft.	Green	9.39	8.92	8.47
219846CJ	50 ft.	Green	14.29	13.58	12.90
219758CJ	3 ft.	Black	2.79	2.69	2.56
219766CJ	7 ft.	Black	3.99	3.87	3.68
219774CJ	14 ft.	Black	6.59	6.37	6.05
219782CJ	25 ft.	Black	9.39	8.92	8.47
219791CJ	50 ft.	Black	14.29	13.58	12.90
219951CJ	3 ft.	Yellow	2.79	2.69	2.56
219969CJ	7 ft.	Yellow	3.99	3.87	3.68
219977CJ	14 ft.	Yellow	6.59	6.37	6.05
219985CJ	25 ft.	Yellow	9.39	8.92	8.47
219993CJ	50 ft.	Yellow	14.29	13.58	12.90

3M Tool-Less Modular RJ-45 Jack with Dust Door



A unique and simple CAT5e hardware component (TIA / EIA-568 B.2) utilizing the universally accepted keystone mount. It offers a quick and reliable tool-less connection as the eight conductors are effortlessly terminated in a single operation.

- UL verified TIA/EIA-568 B.2 CAT5e
- Tool-less connector
- Keystone mount • Integral shutter
- Top or bottom cable insertion
- Self-stripping contacts

SALE

Part No.	Product No.	1	10	100
263071CJ	VOL-OCK5E-U-W	$5.55	$4.99	$4.55

Modular Plugs



103491CJ 79290CJ 79273CJ 79281CJ 119343CJ

P = No. of positions C = No. of contacts
W/E = Western Electric type number

✳ **Prepackaged: order in increments of 10, 100 or 1000**



116610CJ

Part No.	Description	W/E	1	10	100	1000
103491CJ	4P4C (handset)	616	✳	$.11	$.099	$.089
79290CJ	6P4C (RJ11)	623	✳	.12	.11	.095
79273CJ	6P6C (RJ11)	623	✳	.22	.195	.18
79281CJ	8P8C (RJ45) (for stranded wire)	641	.35	.28	.24	.20
119343CJ	8P8C (RJ45) unshielded (for solid wire)	—	.49	.44	.35	.28
116610CJ	8P8C (RJ45) shielded	—	1.09	.99	.89	.79
204222CJ	8P8C (RJ45) shielded (for STP solid wire)	—	.95	.89	.79	.75
204231CJ	8P8C (RJ45) shielded (for STP stranded wire)	—	1.55	1.49	1.15	.95
116601CJ	8P8C (RJ45) shielded (for solid wire)	—	.99	.79	.65	.49
180646CJ	10P10C (for stranded wire)	—	1.39	1.15	.82	.69

Modular Jacks



115128CJ 151765CJ 105945CJ 115836CJ

204177CJ 124038CJ 115844CJ 203449CJ

- Voltage rating: 150VAC max.
- Contact current rating: 1.5A max. @ 25˚C
- Durability: 750 mating cycles • PC mount

W/E = Western Electric type number

Part No.	Description	W/E	1	10	100
199620CJ	4P4C (handset) .48"W	—	$.36	$.33	$.30
115128CJ	4P4C (handset) .395"W	—	.37	.34	.31
151765CJ	6P4C (RJ11) side flange	AMP	.45	.43	.39
105945CJ	6P4C (RJ11) top flange	623	.62	.56	.42
204206CJ	6P4C (RJ11) lead wires	—	1.09	.99	.89
115836CJ	6P6C (RJ11) side flange	—	.74	.67	.59
204177CJ	6P6C (RJ11) dual	—	1.49	1.35	1.19
124038CJ	6P6C (RJ11) 6" leads	—	1.25	1.15	.99
115844CJ	8P8C (RJ45)	641	.48	.44	.40
204214CJ	8P8C (RJ45) .81"L	—	1.19	1.09	.95
203449CJ	8P8C (RJ45) shielded Pin spacing "A" = .055"	—	1.19	.99	.85

RJ45-Plug Color Caps (Boots)

Quantity SAVE



204425CJ

- Round strain relief • 10 piece minimum

Part No.	Color	10	100	500	1000
204409CJ	Black	$.14	$.13	$.12	$.09
204388CJ	Yellow	.14	.12	.098	.073
204353CJ	Gray	.14	.13	.12	.095
204361CJ	Blue	.14	.12	.098	.073
204425CJ	Red	.14	.12	.11	.091
204396CJ	Green	.14	.12	.098	.073
204370CJ	Ivory	.14	.12	.098	.073

Modular Couplers and Adapters

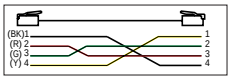


Fig. 1 W: 1.5" H: 0.9" D: 0.7"

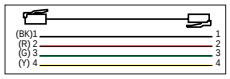
Fig. 2 W: 1.1" H: 0.8"

Fig. 3 W: 1.7" H: 1.0" D: 0.9"

Style 1 Reverse wiring for telephone systems



Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	1	10	100
72207CJ	6P4C male "T" adapter, **Style 2**. Provides 2 jacks from 1 line. Male modular plug (6P4C), 2 female modular receptacles (6P4C) RJ11	2	$.99	$.89	$.80
71757CJ	6P6C modular coupler, **Style 1**, RJ11	1	.95	.86	.79
135087CJ	6P6C modular coupler, **Style 2**, RJ11	1	.99	.89	.79
181091CJ	6P6C male "T" adapter, **Style 2**. Provides 2 jacks from 1 line. Male modular plug(6P6C), 2 female modular receptacles (6P6C) RJ11	2	.99	.89	.78
118501CJ	8P8C modular coupler, **Style 1**, RJ45	1	1.85	1.75	1.55
135079CJ	8P8C modular coupler, **Style 2**, RJ45	1	1.39	1.25	1.15
153023CJ	8P8C modular coupler, **Style 2** (for Cat. 5) RJ45	3	7.99	7.19	6.49

Modular Jack Boxes & Wall Plate



Fig. 1 W: 2.8" H: 4.5"

Fig. 2 W: 2.8" H: 4.5"

Fig. 3 W: 2.8" H: 4.7"

Fig. 4 W: 2.0" H: 2.2" D: 0.9"

Fig. 5 W: 1.5" H: 2.4" D: 1.1"

Fig. 6 W: 2.4" H: 2.4" D: 1.1"

Part No.	Description	Fig.	1	10	100
72311CJ	6P6C & 8P8C double wall jack plate w/ jacks (beige)	1	$1.95	$1.75	$1.57
319839CJ	8P8C triple wall jack plate w/ jacks (white) (CAT 6)	2	11.19	10.65	10.09
319821CJ	8P8C quad wall jack plate w/ jacks (white) (CAT 5e)	3	11.75	11.15	10.59
103464CJ	6P4C adhesive jack RJ11 (beige)	4	1.39	1.19	1.09
71984CJ	6P6C adhesive jack RJ11 (beige)	4	1.39	1.19	.99
71651CJ	8P8C adhesive jack RJ45 (beige)	4	1.95	1.65	1.45
213031CJ	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	5	3.29	2.99	2.69
213049CJ	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	6	4.15	3.75	3.39

"EZ" RJ45 Connector

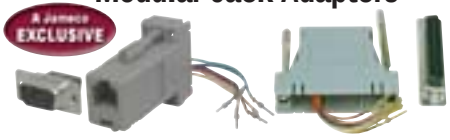


Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

- For solid or stranded wire • 8P8C plug
- Use standard modular crimping tool

Part No.	Product No.	1	10	100	250
158115CJ	RJ45 (8P8C)	$1.75	$1.58	$1.42	$1.25

RS-232-to-RJ11/RJ45 Modular Jack Adapters



66181CJ 66237CJ

Change your RS-232 port to a RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Part No.	Description	1	10	100
204265CJ	DB9 M to RJ11(6P4C)	$1.95	$1.66	$1.24
66181CJ	DB9 M to RJ11(6P6C)	2.59	2.35	2.09
66190CJ	DB9 M to RJ45(8P8C)	2.89	2.65	2.35
114737CJ	DB9 F to RJ11(6P4C)	1.95	1.79	1.59
66202CJ	DB9 F to RJ11(6P6C)	2.79	2.55	2.29
66211CJ	DB9 F to RJ45(8P8C)	2.99	2.69	2.45
204281CJ	DB25 M to RJ11(6P4C)	2.39	2.15	1.29
66229CJ	DB25 M to RJ11(6P6C)	2.95	2.35	1.99
66237CJ	DB25 M to RJ45(8P8C)	2.99	2.69	2.45
204273CJ	DB25 F to RJ11(6P4C)	1.95	1.75	1.55
66245CJ	DB25 F to RJ11(6P6C)	2.59	1.95	1.39
66253CJ	DB25 F to RJ45(8P8C)	2.89	2.59	2.29

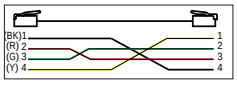
Modular Telephone/Printer Sharing Cables (Gray)



Low Cost Data/ Phone Cables

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



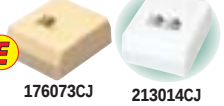
Part No.	Conn. Style	Type	Length	Pricing 1	10	100
189940CJ	1	RJ11-6P2C	7ft.	$.99	$.84	$.63
196226CJ	1	RJ11-6P4C	7ft.	1.49	1.15	.86
115553CJ	2	RJ11-6P4C	7ft.	1.25	1.09	.89
355645CJ	2	RJ11-6P4C	14ft.	2.19	1.59	1.38
115545CJ	1	RJ11-6P4C	25ft.	2.29	2.09	1.85
201232CJ	2	RJ11-6P4C†	35ft.	1.95	1.66	1.24
115588CJ	1	RJ11-6P6C	7ft.	1.55	1.35	1.15
115617CJ	2	RJ11-6P6C	7ft.	2.19	1.99	1.79
355653CJ	2	RJ11-6P6C	14ft.	2.75	1.99	1.73
115676CJ	2	RJ45-8P8C	7ft.	1.89	1.75	1.49

† Beige

Surface Mount Boxes

Category 5 and 5e

SALE



176073CJ 213014CJ

- RJ45 • 8P8C
- 100MHz
- Size: 2.6"L x 3.2"W x 1.2"H
- CAT 5e (except P/N 176073CJ)

Part No.	Description	1	10	100
176073CJ	Single jack (beige)	$5.75	$5.23	$4.75
213022CJ	Single jack (white)	5.25	4.77	4.34
176081CJ	Dual jack (beige)	9.95	8.46	6.34
213014CJ	Dual jack (white)	7.19	6.53	5.93

Wire & Cable

Color Code Legend: New Sale Lower$ QtySave

Call for OEM pricing

Nylon Cable Ties

Standard



70560CJ

- Cable ties made from UL approved Nylon 66
- Temperature range: -40˚C to +85˚C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182676CJ)
- ***Sold in increments of 100 or 1000***

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
70560CJ	18	3.1 x 0.10	$.025	$.015
126543CJ	18	4.0 x 0.10	.02	.014
182676CJ	18*	4.75 x 0.13	.03	.025
182650CJ	18	5.5 x 0.13	.035	.025
139150CJ	18	8.0 x 0.10	.06	.04
182668CJ	18	8.0 x 0.13	.075	.05
182684CJ	18	8.0 x 0.18	.036	.033
70906CJ	40	5.8 x 0.10	.035	.029
190756CJ	40	10.0 x 0.14	.12	.086
190772CJ	40	11.0 x 0.19	.10	.075
190764CJ	40	13.0 x 0.14	.10	.075

* Black

Weather Resistant

104141CJ

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- Color: black
- ***Sold in increments of 100 or 1000***

UV Resistant

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125CJ	18	3.0 x 0.90	$.045	$.029
104141CJ	18	4.0 x 0.10	.044	.029
104133CJ	40	5.8 x 0.10	.047	.031
190781CJ	40	8.0 x 0.13	.085	.065
190799CJ	40	10.0 x 0.14	.10	.09
190801CJ	40	13.0 x 0.14	.113	.088

Cable Tie Assortments



145701CJ

145701CJ (closeup)

- Tensile strength: 18-50 lbs.

145701CJ:
1000 pcs. (4"L); 10 colors

150412CJ:
500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors

Part No.	Weight (lbs.)	1	10	50
145701CJ	0.7	$9.49	$8.49	$7.39
150412CJ	1.7	14.99	13.49	12.14

Cable Tie Tool



- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action
- Metal

Part No.	Mfr. Cross Ref. No.	1	5	10
182297CJ	0302TG-7	$16.99	$15.99	$14.99

Bushing Assembly Tool



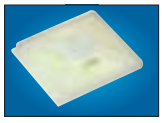
- For use with strain relief bushings, right



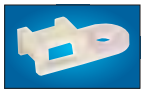
Part No.	Description	1	10	100
73470CJ	Bushing tool	$34.95	$28.75	$28.45

Cable Tie Mounts and Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2
- ***Sold in increments of 10, 100 or 1000***



182941CJ/171213CJ
71407CJ/71394CJ
71386CJ



70594CJ



182300CJ/173761CJ



182318CJ/182376CJ



182334CJ/182342CJ



173711CJ/173729CJ
173737CJ/134754CJ
173753CJ

Part No.	Mfr. Cross Reference No.	Description	10	100	1000
182941CJ	0505HC-101S	4-way cable tie mount, self adhesive, .75"D	$.07	$.055	$.042
171213CJ	HC-100	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.15	.13	.094
71407CJ	HC-101	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.18	.16	.13
71394CJ	HC-102	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.23	.19	.14
71386CJ	HC-103	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.25	.19	.13
70594CJ	HC-0	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.15	.09	.05
182300CJ	0510HC-2	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.15	.14
173761CJ	HC-1	Cable tie, saddle type, 0.6"L x 0.4"W	.15	.125	.075
182318CJ	0519ATC-17	2-way adjustable tie mount, #6 flat head screw, 0.7"D	.37	.35	.33
182376CJ	0519ATC-22	2-way adjustable tie mount, #6 flat head screw, 0.9"D	.29	.261	.222
182334CJ	0520FC-1	Cable tie mount, self adhesive, 0.1"D	.17	.15	.12
182342CJ	0520FC-2	Cable tie mount, self adhesive, 0.2"D	.15	.135	.122
173711CJ	UC0	Cable clamp for 1/8" cable	.08	.027	.018
173729CJ	UC0.5	Cable clamp for 3/16" cable	.035	.032	.019
173737CJ	UC1	Cable clamp for 1/4" cable	.14	.09	.063
134754CJ	BO375	Cable clamp for 3/8" cable	.08	.029	.018
173753CJ	UC3	Cable clamp for 1/2" cable	.099	.041	.031

Nylon Cable ID Ties and Tabs



71061CJ



135175CJ

71061CJ: Clear ID tab (0.98" x 0.31")
135175CJ: Nylon cable tie ID marker

- ***Sold in increments of 10, 100 or 1000***

Part No.	Size	10	100	1000
71061CJ	4.0"L x 0.1"W	$.085	$.08	$.072
135175CJ	2.0"L x 0.8"W x .02"T	.22	.11	.08

Cable Sleeve

TECHFLEX

Clean Cut Expandable Sleeving



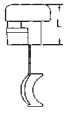
162157CJ

- Flame resistant
- Applications: protecting wires, cables and hoses
- Operating temp.: -70˚C to 125˚C
- ***Sold in spools of 25'***

Part No.	Product No.	Actual/Expanded Dia.	1	10
162157CJ	CCPT2X	.250"/.440"	$15.95	$14.95
162165CJ	CCPT3X	.500"/.750"	17.95	14.49

Round-Type Strain Relief Bushings

- Material: UL approved nylon 66, 94V-2
- Color: black
- Used extensively for protecting cords and to prolong cord life





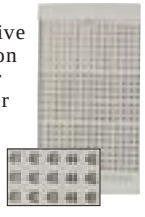
182369CJ

- ***Sold in increments of 10, 100 or 1000***

Part No.	Cable Type	Lgth (in.)	10	100	1000
182351CJ	SVI/SVT	.43	$.05	$.043	$.04
182369CJ	SJ/SJT; 16 AWG	.58	.18	.10	.085
182377CJ	SJC; 18 AWG	.58	.24	.22	.20

Pressure Sensitive Wire Marker

Easy release vinyl cloth markers feature a strong, pressure-sensitive adhesive, for long lasting bond on a wire or cable. Black non-smear legends on white background for easy identification.

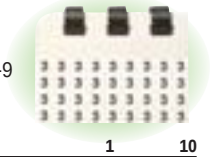


- Convenient pocket-size booklet
- 10 sheets numbered 1 to 45 each sheet

SALE

Part No.	Product No.	1	10	100
216813CJ	TCWM-3	$6.99	$6.39	$5.81

Self Adhesive Wire Marker



- 90 markers per number
- Stick to wires for permanent identification
- Cloth tape label numbered 0-9
- Used after or before terminal

Part No.	Product No.	1	10
182262CJ	0215WMB-1	$7.09	$6.45

3M Tape Wire Marker



- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W

Part No.	Description	1	10
159231CJ	Numerical tape dispenser	$30.95	$27.95

Cable Markers



- UL approved natural nylon
- ***10 piece minimum***

Part No.	Size	10	100	1000
182705CJ	1.5"L x .75"W	$.10	$.09	$.08
182713CJ	2.5"L x 1.76"W	.25	.23	.20

Call for OEM pricing – we carry major manufacturers.

Cable Clips

These nail-in cable clips are designed for use with RG-6 cables.

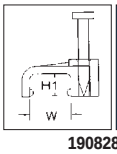
- For RG-6 type cables
- Includes 1" nail
- Prepackaged in increments of 100


295591CJ

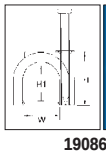

295611CJ

Part No.	Description	1 Pkg	10 Pkgs
295603CJ	Single RG-6 cable clip, white	$3.39	$2.79
295591CJ	Single RG-6 cable clip, black	3.19	2.65
295611CJ	Dual RG-6 cable clip, white	3.65	2.99
295620CJ	Dual RG-6 cable clip, black	3.65	2.99

Nail-In Cable Clips



190828CJ



190861CJ

- Material: impact resistant PE
- With nails inserted
- *Sold in increments of 100 or 1000*

For telephone cords; white

SALE

✪ Blue Part No. = Limited Quantity Available

Part No.	Mfr. Cross Ref. No.	W x H x H1 (in.)	100	1000
190828CJ	NF1.2 ✪	.24 x .21 x .15	$.006	$.005
190836CJ	NF1.6 ✪	.31 x .31 x .20	.006	.005

For general round cables; gray

Part No.	Mfr. Cross Ref. No.	W x H x H1 (in.)	100	1000
190861CJ	NCO.35N	.14 x .23 x .15	$.022	$.02
190887CJ	NC1N	.24 x .35 x .26	.05	.02
190895CJ	NC2N	.31 x .45 x .34	.015	.014
190908CJ	NC3N	.39 x .53 x .41	.016	.015

Wire Management Enclosure

NEW



The "NO MORE" wire management solution for workstations, home office, and entertainment systems. Wall mountable, this enclosure prevents wire tangles and clutter, protects wires and connections for accidents, and neatly conceals wires of varying thickness. Made of durable, high impact molded resin. An innovative design that optimizes wire storage capacity.

- Size: 14.1"H x 8.0"W x 2.1"D
- Color: black

Part No.	Description	1	10
355872CJ	Wire management enclosure	$17.99	$17.57

3M Super 33+ Electrical Tape



This tape provides flexibility and easy handling for all around performance. It combines PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V and protective jacketing. Excellent resistance to UV rays, abrasion, moisture, copper corrosion, alkalis and acids, and is flame-retardant. Excellent all-weather performance in cold to 0˚F (-18˚C) and is designed to perform in a continuous temperature environment up to 220˚F (105˚C).

- UL listed and CSA certified
- 0.75" x 66'

Part No.	Product No.	1	10	25
285464CJ	3M 06132	$4.35	$4.00	$3.98

3M Hook and Loop Fastening System


286897CJ

Nylon hooks mesh with pliable loops. 1" wide strip with adhesive backing sticks instantly to many surfaces.

- Hook and loop: 1" x 15'

Part No.	Product No.	1	5	10
286897CJ	3M 06481 (white)	$31.09	$29.99	$28.35
286900CJ	3M 06488 (black)	31.55	30.49	28.75

3M Dual Lock Fastening System



3M™ Dual Lock™ reclosable fasteners have been used extensively in transportation, electronics, business equipment, machinery, medical, sign and display markets. When the mushroom-shaped stems interlock, tensile strength is high enough to replace mechanical fasteners, yet you can readily open and close Dual Lock fasteners hundreds of times. High temperature and solvent resistant.

- Adhesive backing for strong bonds
- 1" x 15'
- 5x stronger than conventional hook & loop fasteners
- Audible snap assures secure closure

Part No.	Product No.	1	5	10
288438CJ	3M 06463 (clear)	$74.95	$71.19	$67.65

3M Double-Sided Foam Tape



Used in a wide variety of applications, this tape features high-shear acrylic adhesive and high temperature resistance. Adheres securely to any surface with its double-sided adhesive. 1/8" thick open-cell urethane foam carrier. Ideal for many manufacturing applications.

- 1/8" thick
- 1" x 12'

Part No.	Product No.	1	5	10
285907CJ	3M 4008	$14.89	$11.35	$10.55

3M Tartan 1710 Electrical Tape



3M™ Tartan™ 1710 vinyl insulating tape offers good resistance to abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including ultraviolet).

- UL listed
- 0.75" x 60'
- Flame retardant

Part No.	Product No.	1	10	25
285587CJ	3M 49656	$.95	$.89	$.86

3M Vinyl Electrical Tape

5-pack Multi-Colored



3M #35 vinyl electrical color coding tape is used in phase identification, color coding leads, piping systems and for marking safety areas. UL Listed, CSA Certified, and flame-retardant. Excellent all-weather performance in cold to 0˚F (-18˚C) or hot to 220˚F (105˚C). 5 rolls to a pack with colors blue, green, red, yellow, and white.

- 1/2" x 20'

Part No.	Product No.	1	5	10
287806CJ	3M 10457	$7.95	$6.72	$6.10

Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black


182748CJ

PVC Heat Shrink Tubing


182772CJ

- Shrink temp: 125˚C
- *Only sold 10' and 100' lengths*

Part No.	Dia. before (mm)	10 ft.	100 ft.
184721CJ	.12" (3)	$1.19	$10.50
182730CJ	.16" (4)	1.39	12.50
182748CJ	.20" (5)	1.45	13.00
182756CJ	.24" (6)	1.71	15.40
182764CJ	.31" (8)	1.79	16.00
182772CJ	.43" (11)	2.80	19.00
182781CJ	.59" (15)	3.50	30.00

PVC Heat Shrink Flat Film


70631CJ

- Shrink temperature: 175˚C
- Temperature range: -45˚C to +125˚C

* **Precut 39" length; sold as 1 increment**

Part No.	Flat	Unshrunk Cir. Dia.	Shrunk Cir. Dia.	1*	10*	100*
70631CJ	5/16"	1/4"	1/8"	$1.69	$1.55	$1.39
70623CJ	1/2"	5/16"	3/16"	1.69	1.44	1.08
70666CJ	13/16"	9/16"	1/4"	1.69	1.45	1.09

Polyolefin Heat Shrink Tubing


72063CJ

- Dielectric strength: 1300V
- Flame retardant
- Flexible
- Shrink temp.: 121°C
- Temperature range: -45˚C to +125˚C

* **Precut 39" length; sold as 1 increment**

Part No.	Before	After (Dia.)	1*	10*	100*
71327CJ	1/16"	1/32"	$.55	$.46	$.41
71870CJ	3/32"	3/64"	.55	.45	.39
71280CJ	1/8"	1/16"	.69	.59	.54
72063CJ	1/4"	1/8"	.89	.76	.57
226245CJ	3/8"	3/16"	1.09	.98	.88
216477CJ	1/2"	1/4"	.99	.84	.63

3M Heat Shrink Tubing 102-Piece Kit



3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation. FP-301 tubing is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering.

- Assorted pre-shrink sizes: 3/16" (30 pieces); 1/4" (28 pieces); 3/8" (20 pieces); 1/2" (14 pieces); 3/4" (6 pieces); 1" (4 pieces)
- Pre-cut to 6" lengths

Part No.	Description	1	5	10
285481CJ	Heat shrink kit	$56.95	$53.70	$50.99

See page 239 for Heat Guns.



Audio/Video Cables and Adapters

RCA Cables

Part No.	Description	1	10	25
228443CJ	3' stereo RCA (2) male to (2) male plugs, gold plated	$1.49	$1.39	$1.29
183311CJ	4' RCA male to male plug (black)	.99	.89	.79
206973CJ	4' RCA male to male plug (yellow)	.99	.89	.79
183302CJ	4' RCA (2) male to (2) male plugs (red/black)	1.75	1.49	1.09
106374CJ	6' RCA male to male plug	1.19	1.00	.75
228419CJ	6' mono RCA male plug to female jack	1.65	1.45	1.25
228486CJ	6' RCA stereo (2) male plugs to (2) female jacks	1.25	1.15	1.05
228451CJ	6' RCA stereo (2) male to (2) male plugs, gold plated	1.79	1.69	1.59
308734CJ	6' RCA stereo (2) male to (2) male plugs (red/white)	1.65	1.49	1.35
228401CJ	6' RCA stereo (2) male plugs to 3.5mm stereo male plug	1.55	1.39	1.25
236865CJ	6' RCA (3) male to (3) male plugs, gold plated	2.39	2.07	1.55
184882CJ	6' RCA (3) male to (3) male plugs, low loss	1.95	1.79	1.59
228427CJ	10' RCA female jack to male plug	2.35	1.95	1.79
29348CJ	10' RCA male to male plug (yellow)	1.69	1.55	1.35
228460CJ	12' RCA stereo (2) male to (2) male plugs, gold plated	2.09	1.89	1.75
225980CJ	12' RCA (3) male to (3) male plugs, gold plated	4.49	3.89	2.89
225998CJ	20' RCA (3) male to (3) male plugs, gold plated	7.99	6.79	5.09
228435CJ	25' mono RCA male to male plug, nickel plated	2.19	2.09	1.99
228478CJ	25' RCA stereo (2) male to (2) male plugs, gold plated	2.39	2.29	2.19

Video/Audio Patch Cables

Part No.	Description	1	10	25
228216CJ	3' stereo video patch cable, gold plated	$1.19	$1.13	$1.07
228574CJ	25' stereo video patch cable, gold plated	6.99	6.29	5.65
228582CJ	50' stereo video patch cable, gold plated	12.59	11.35	10.19


228443CJ/228451CJ 228460CJ/228478CJ

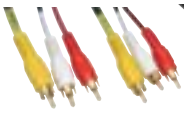

206973CJ/29348CJ


228419CJ


228486CJ


308734CJ


228401CJ


225980CJ/225998CJ


228435CJ


326529CJ/228494CJ/ 228507CJ


228515CJ/228523CJ


319206CJ


228216CJ/228574CJ/ 228582CJ

3.5mm Audio Patch Cables

Part No.	Description	1	10	25
319206CJ	27" 3.5mm mono male to male plug	$1.09	$.94	$.89
326511CJ	1' 3.5mm stereo male to male plug	1.75	1.59	1.39
326529CJ	6' 3.5mm stereo male to male plug (green/blue)	1.39	1.18	.89
228494CJ	6' 3.5mm stereo male to male plug (black)	1.39	1.19	.99
228515CJ	6' 3.5mm stereo male plug to female jack	1.49	1.35	1.25
228507CJ	12' 3.5mm stereo male to male plug (black)	1.69	1.49	1.29
228523CJ	12' 3.5mm stereo male plug to female jack	1.65	1.49	1.35

S-VHS Cables and Adapters

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, and DVD players


228591CJ


228558CJ


229809CJ


229391CJ

228558CJ/228566CJ: 95% spiral wound shield S-VHS/audio conductors

Part No.	Description	1	10	25
228591CJ	6' S-VHS video cable, gold plated	$2.15	$1.95	$1.79
228558CJ	6' S-VHS audio-video cable, gold plated	12.95	11.65	10.49
228566CJ	12' S-VHS audio-video cable, gold plated	14.95	13.45	12.15
228603CJ	12' S-VHS video cable, gold plated	2.65	2.35	2.10
228611CJ	25' S-VHS video cable, gold plated	4.05	3.85	3.65
229809CJ	S-video 4-pin mini DIN female to female jack	2.85	2.59	2.29
229391CJ	S-video male plug to RCA video female jack	5.39	4.85	4.39
295881CJ	S-video female jack to RCA video male plug	5.39	4.85	4.39
303351CJ	S-video male plug to RCA video female jack	5.39	4.85	4.39

3.5mm Female Jacks and Male Plugs


109495CJ


165729CJ

SALE


101151CJ/147344CJ


231159CJ


231175CJ


231167CJ

- Threaded screw on housing
- 1mm diameter solder eyelets
- Shield crimp tabs

231159CJ/231167CJ: With spring strain relief

Part No.	Mfr. Cross Ref. No.	Description	1	10	100	1000
109495CJ	PJ035PM	Mono F jack, 3.5mm hole size	$.45	$.40	$.36	$.32
165729CJ	PJ0354	Mono F jack, 3.5mm hole size	.69	.59	.49	.39
101151CJ	PJ1035	Mono male plug, plastic	.49	.38	.35	.29
147344CJ	PJ1035L	Mono male plug, plastic	.49	.38	.35	.29
231159CJ	AP-336	Mono male plug, metal	1.25	1.19	1.09	.95
231175CJ	AP-340	Stereo male plug, plastic	.55	.43	.36	.32
231167CJ	AP-343	Stereo male plug, metal	1.79	1.60	1.45	1.30

75Ω "F" Connectors


289828CJ (Fig. 1)


289916CJ (Fig. 2)


290001CJ (Fig. 3)


289924CJ (Fig. 4)

Part No.	Product No.	Fig.	Description	1	10	50	100
289828CJ	200-030	1	RG-59 crimp-on nickel plated	$.22	$.20	$.17	$.14
289908CJ	200-031	1	RG-59 crimp-on gold plated	.45	.43	.41	.39
289887CJ	200-035	2	RG-6 crimp-on nickel plated	.22	.20	.17	.14
289916CJ	200-036	2	RG-6 crimp-on gold plated	.45	.43	.41	.39
290001CJ	200-039	3	RG-6 twist-on nickel plated	.79	.69	.45	.32
289975CJ	200-040	3	RG-59 twist-on nickel plated	.79	.69	.45	.32
289924CJ	200-038	4	RG-6 crimp-on weatherproof seal, brass	.69	.59	.49	.39
314510CJ	200-024	4	RG-6 crimp-on weatherproof sea	.55	.46	.37	.33

75Ω "F" Connectors/Adapters/Terminators


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8

Part No.	Product No.	Fig.	Description	1	10	50	100
291581CJ	200-016	1	Perma-seal, RG-59 coax	$.69	$.59	$.55	$.49
291531CJ	200-028	1	Perma-seal, RG-6 coax	.69	.59	.55	.49
291709CJ	200-050	2	F-jack to jack (nickel)	.65	.55	.475	.38
291725CJ	200-051	2	F-jack to jack (gold)	.95	.85	.79	.75
295371CJ	200-053	3	F-panel mount jack to jack (nickel)	.65	.55	.475	.38
295380CJ	200-107	4	F-R/A jack to plug (nickel)	1.59	1.39	1.16	.95
295398CJ	200-103	5	F-jack to push-on plug (nickel)	.85	.69	.627	.523
295435CJ	200-104	5	F-jack to push-on plug (gold)	1.15	.99	.95	.89
295531CJ	200-117	6	F-jack to 3.5mm mono plug (nickel)	1.65	1.35	1.13	.93
295451CJ	200-075	7	F-plug terminator	.55	.45	.35	.25
309657CJ	200-045	8	RCA female to F male adapter	1.75	1.35	.97	.87

Audio Adapters and Cables

RCA Audio Adapters

Part No.	Description	1	10	25	100
228283CJ	RCA female jack to mono 1/4" male plug	$.99	$.89	$.69	$.55
228312CJ	RCA male plug to 1/4" mono female jack	1.25	1.10	.79	.69
228267CJ	RCA female to female jack coupler, gold plated	.95	.79	.55	.45
159441CJ	RCA female to female jack coupler, metal	1.15	.99	.87	.65
228339CJ	RCA F jack to 3.5mm mono M plug, gold plated	.75	.68	.62	.56
228291CJ	RCA F jack to 3.5mm mono M plug, nickel plated	.59	.54	.49	.45

RCA Y-Cables

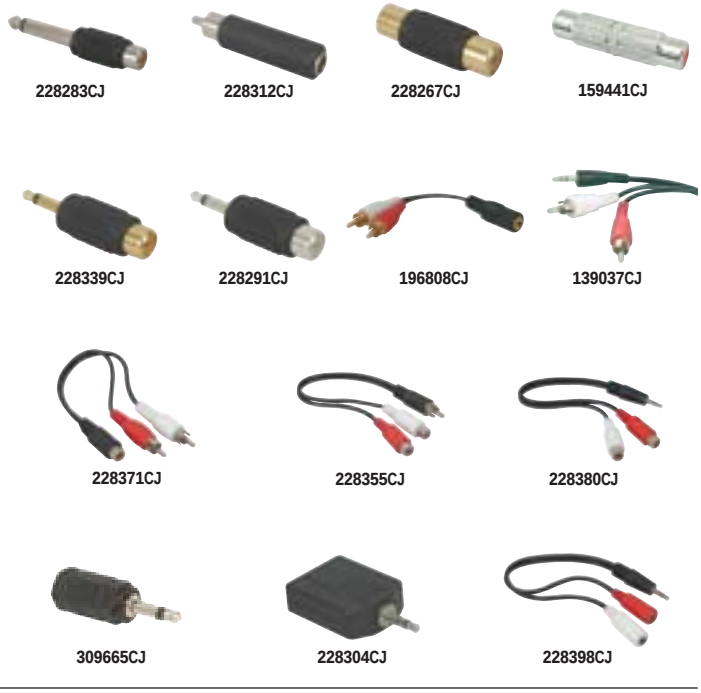
196808CJ	5' Y-cable 1/8" stereo F jack to (2) RCA M plugs	$.75	$.30	$.27	$.26
139037CJ	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	2.25	1.99	1.79	1.61
228371CJ	6" Y-cable (2) RCA M plugs to RCA F jack	.99	.89	.80	.72
228355CJ	6" Y-cable RCA M plug to (2) RCA F jacks	1.29	1.15	1.06	.79
228380CJ	6" Y-cable (2) RCA F jacks to 3.5mm stereo plug	1.95	1.76	1.59	1.19

3.5mm Audio Adapters

228275CJ	3.5mm stereo female to female jack	$.41	$.37	$.34	$.32
309665CJ	3.5mm stereo F jack to 3.5mm mono M plug	.95	.78	.61	.52
228304CJ	3.5mm stereo M plug to (2) 1/4" stereo F jacks	.93	.84	.77	.70
228339CJ	3.5mm mono M plug to RCA F jack, gold plated	.75	.68	.62	.56
228291CJ	3.5mm mono M plug to RCA F jack, nickel plated	.59	.54	.49	.45

3.5mm Y-Cables

139037CJ	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	$2.25	$1.99	$1.79	$1.61
228398CJ	6" Y-cable (2) 3.5mm stereo female jacks to 3.5mm stereo male plugs	1.95	1.65	1.35	1.25
228380CJ	6" Y-cable (2) RCA F jacks to 3.5mm stereo M plug	1.95	1.76	1.59	1.19



Digital Audio Optical Cables and Adapters

Connect your DVD, CD, Mini Disc, DAT, game console or other digital audio equipment for clear, full and richly detailed sound. For the ultimate listening experience, connect to your Dolby Digital® or DTS® home theater equipment.

SALE

- Low-loss core provides low distortion and high signal-to-noise ratio
- Clad reflecting layer prevents phase error and noise, achieving high-fidelity transmission effect
- Corrosion-resistant, precise collar to ensure long lasting quality

✪ Blue Part No. = Limited Quantity Available



Cables

Part No.	Description	1	2	5
228689CJ	3' TOSLINK–mini plug	$6.05	$5.48	$4.98
228662CJ	6' TOSLINK–TOSLINK	3.89	3.54	3.22
228671CJ	12' TOSLINK-TOSLINK ✪	5.99	5.42	4.93
228700CJ	12' TOSLINK–mini plug	13.79	12.55	11.41

Adapters

230615CJ	TOSLINK – mini plug adapter	$2.09	$1.88	$1.71
230607CJ	TOSLINK – TOSLINK coupler	1.65	1.51	1.37

Component Video and Audio Cables

Component video cables connect the latest video equipment like DVD players equipped with component video output jacks to LCD or plasma televisions, projectors and other component video devices.



- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, .012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provide clear, noise-free, vivid picture quality

Part No.	Description	1	2	5
228620CJ	6' component video RGB cable	$9.99	$8.49	$6.37
228638CJ	12' component video RGB cable	19.95	17.95	16.16
228646CJ	25' component video RGB cable	25.95	23.36	21.02
229403CJ	6' component video RGB and stereo audio cable	14.95	13.46	12.11
229411CJ	12' component video RGB and stereo audio cable	25.95	23.36	21.02
229420CJ	25' component video RGB and stereo audio cable	29.95	25.46	19.09

RG-6/RG-59 75Ω Patch Cables



Type	Length (ft.)	Part No. (Black)	Part No. (White)	1	5
RG-6	3	286977CJ	287232CJ	$1.69	$1.59
RG-59	3	85585CJ	—	1.05	.95
RG-6	6	287101CJ	287241CJ	2.29	2.15
RG-6	12	287128CJ	287259CJ	3.69	3.49
RG-6	25	287152CJ	287267CJ	6.99	6.65
RG-6	50	287179CJ	287275CJ	13.49	12.75
RG-6	75	287208CJ	287291CJ	18.99	18.15
RG-75	75	355670CJ	—	17.95	17.05
RG-6	75	297668CJ	—	14.69	13.99
RG-6	100	287224CJ	287304CJ	24.99	23.75

STEREN Perma Seal RCA/BNC Connectors

Use the color code chart below to replace the "xx" when ordering

02 – Red	04 – Yellow	05 – Green	09 – White	10 – Black	13 – Blue

e.g. **292102CJ** – **2921** is the Jameco designation for RCA RG-59 plug and **02** is for color red



Part No.	Description	1	10
2922xxCJ	RCA RG-6 plug	$1.59	$1.49
2921xxCJ	RCA RG-59 plug	1.59	1.49
2924xxCJ	BNC RG-6 plug	1.89	1.79
2923xxCJ	BNC RG-59 plug	1.89	1.79

Color Code Legend: New Sale Lower$ QtySave

RCA Plugs

- High-quality plastic and metal housing RCA plugs



Gold plated metal housing w/ spring strain relief for 6.7mm cables

Part No.	Description	1	10	25	100
229876CJ	Black	$1.89	$1.69	$1.55	$1.39
229868CJ	Red	1.89	1.69	1.55	1.39
229884CJ	White	1.89	1.69	1.55	1.39
230287CJ	Yellow	1.89	1.69	1.55	1.39

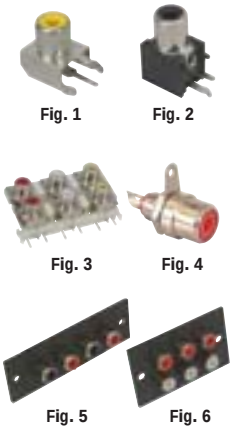
Plastic screw-on cover w/ integral cable protection

229921CJ	Black (5 pk)	$1.15	$1.05	$.91	$.85
229930CJ	Red (5 pk)	1.15	1.05	.91	.85
229913CJ	White (5 pk)	1.19	1.09	.95	.89
229892CJ	Yellow (5 pk)	1.19	1.09	.95	.89

RCA Jacks

- Standard RCA jacks for audio and video signals

Part No.	Fig.	Description	Dimensions	1	10	100	1000
220581CJ	1	PCB mount, white	.44"W x .56"D x .48"H	$.45	$.31	$.28	$.22
220556CJ	1	PCB mount, red	.44"W x .56"D x .48"H	.45	.31	.28	.22
220572CJ	1	PCB mount, black	.44"W x .56"D x .48"H	.45	.31	.28	.22
220564CJ	1	PCB mount, yellow	.44"W x .56"D x .48"H	.45	.31	.28	.22
112475CJ	1	PCB mount, red	.44"W x .58"D x .48"H	.39	.35	.31	.19
169501CJ	2	PCB mount, black	.40"W x .85"D x .50"H	.39	.35	.32	.26
237016CJ	3	PCB mnt., 2x3 grid, red/wht/yel	2.0"W x .45"D x 1.10"H	.89	.79	.69	.65
159484CJ	4	Panel mount, black	.84"W x .38"H	.49	.39	.33	.24
172339CJ	4	Panel mount, red	.84"W x .38"H	.49	.39	.31	.23
319231CJ	5	Panel mount, 1x2 grid, red/wht	2.1"W x .48"D x .78"H	.79	.69	.65	.62
319249CJ	5	Panel mount, 1x4 grid, red/blk	2.9"W x .48"D x .98"H	1.19	.99	.94	.89
319257CJ	6	Panel mount, 2x2 grid, red/wht	2.0"W x .48"D x 1.38"H	1.19	.99	.94	.89
319265CJ	6	Panel mount, 2x3 grid, red/wht	2.3"W x .48"D x 1.41"H	1.29	1.15	1.09	1.03
319071CJ	6	Panel mount, 2x4 grid, red/blk	3.0"W x .49"D x 1.40"H	1.39	1.19	1.13	1.07



See page 131 for Power Jacks and Plugs.

Switchcraft – For Highest Quality Connectors

Switchcraft®

Audio Plugs and Jacks



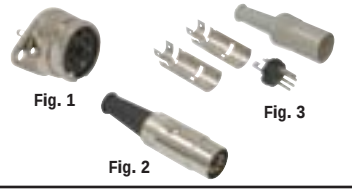
Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281869CJ	750	1	3.5mm mono audio plug, plastic	14.0mm x 41.5mm x 5.7mm ID	$2.49	$2.17	$1.99	$1.81
281834CJ	41	2	3.5mm audio jack	7.8mm x 5.9mm	1.29	1.22	1.15	1.09
297019CJ	125	3	3.5mm mono jack, metal	31.75mm x 10.3mm Dia.	5.19	4.54	4.08	4.01
297035CJ	142A	4	3.5mm mono jack, plastic	21.03mmL x 9.52mm W x 12.7mmH	2.19	2.04	1.93	1.83
297297CJ	850	5	2.5mm mono phono audio plug, plastic	25.8mm x 6.35mm Dia.	2.99	2.91	2.84	2.76
297625CJ	TR2A	6	2.5mm mono audio jack, metal	12.6mm x 8.2mm Dia.	2.09	1.94	1.85	1.83
281789CJ	297	7	1/4" stereo phone audio plug, metal	73.7mm x 7.6mm ID	4.59	3.82	3.19	2.91
281771CJ	280	8	1/4" mono phone audio plug, metal	73.7mm x 7.6mm ID	3.15	2.82	2.58	2.36
281762CJ	267	9	1/4" stereo phone audio plug, plastic	73.7mm x 7.6mm ID	4.25	3.22	2.95	2.69
281754CJ	250	10	1/4" mono phone audio plug, plastic	73.7mm x 7.6mm ID	2.55	2.39	2.13	1.94
281746CJ	12B	11	1/4" stereo phone audio jack	14.7mm x 9.1mm Dia.	1.49	1.39	1.32	1.24
281738CJ	11	12	1/4" mono phone audio jack	12.8mm x 9.1mm Dia.	1.39	1.29	1.19	1.15
296892CJ	12A	11	1/4" mono phono audio jack, metal	31.7mm x 9.4mm Dia.	1.79	1.43	1.33	1.26
296905CJ	13B	11	1/4" mono phono audio jack, metal	30.6mm x 9.4mm Dia.	4.15	3.76	3.37	3.22
296930CJ	42A	11	1/4" mono phono audio jack, metal	15.9mm x 12.7mm Dia.	1.75	1.60	1.52	1.48
296956CJ	70	8	1/4" mono phono audio plug, metal	84.8mm x 9.7mm ID	6.79	5.48	4.93	4.44
297001CJ	121	13	1/4" mono phono audio jack, metal	63.5mm x 12.7mm Dia.	7.15	5.87	5.22	4.74
297043CJ	151	14	1/4" mono phono audio jack, metal	57.15mm x 15.87mm Dia.	5.99	4.65	4.30	4.25
297060CJ	170	15	1/4" mono phono audio jack, metal	69.4mm x 17.46mm Dia.	7.89	5.99	5.58	5.32
297107CJ	226	16	1/4" mono phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	3.89	3.70	3.23	2.93
296913CJ	14B	11	1/4" stereo phono audio jack, metal	31.6mm x 9.4mm Dia.	4.19	3.81	3.65	3.44
297051CJ	152B	14	1/4" stereo phono audio jack, metal	57.15mm x 15.87mm Dia.	5.75	5.11	5.02	4.89
297158CJ	290	17	1/4" stereo phono audio jack, metal	42.9mm x 12.7mm Dia.	6.19	4.78	4.38	4.16
297123CJ	236	16	1/4" stereo phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	4.89	4.83	4.43	4.11
297140CJ	238	18	1/4" stereo phono audio jack, RA, metal	41.28mm x 19.84mm Dia.	5.55	4.19	3.90	3.85
296972CJ	111	19	1/4" mono phono audio jack, plastic	34.8mm x 15.87mm Dia.	1.45	1.31	1.25	1.21
297537CJ	N111	19	1/4" mono phono audio jack, plastic	34.8mm x 15.87mm Dia.	1.69	1.54	1.47	1.43
302543CJ	240	10	1/4" mono phono audio jack, black	78.3mm x 7.5mm ID	2.99	2.72	2.59	2.55
297115CJ	228	20	1/4" mono phono audio jack, RA, metal	42.1mm x 25.4mm Dia.	4.25	3.25	3.02	2.98
296981CJ	112B	19	1/4" phono audio jack, 3C, plastic	34.8mm x 15.87mm Dia.	1.45	1.31	1.25	1.21
297027CJ	131	13	1/4" phono audio jack, 3C, plastic	63.5mm x 12.7mm Dia.	10.49	7.82	6.88	6.43
297271CJ	515	21	1/4" jack cover	27.2mm x 21.9mm	7.15	6.95	6.79	6.63



Switchcraft®

DIN Connectors

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
296948CJ	61HA5F	1	5-pin DIN receptacle, panel mount	20mm x 17mm Dia.	$4.09	$3.28	$3.02	$2.93
296876CJ	05BL5M	2	5-pin DIN plug, metal	59.2mm x 13.6mm Dia.	4.99	4.57	4.11	3.91
296884CJ	05GM5M	3	5-pin DIN plug, gray plastic	63.3mm x 13.6mm Dia.	4.55	3.72	3.28	3.12



Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

Switchcraft® Microphone (XLR) Connectors

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
277026CJ	A3F	1	3-pin female, metal	82.5mm x 5.3mm Dia.	$4.49	$3.99	$3.58	$3.26
277034CJ	A3FB	2	3-pin female, black	82.0mm x 5.3mm Dia.	5.19	3.99	3.65	3.33
281560CJ	A3M	3	3-pin male, metal	70.3mm x 5.3mm Dia.	3.79	3.17	2.83	2.58
281578CJ	A3MB	4	3-pin male, black	70.3mm x 6.1mm Dia.	4.59	3.53	3.24	2.95
297422CJ	C3F	7	3-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	7.85	7.04	6.22	5.63
297431CJ	C3M	8	3-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	5.65	4.28	3.97	3.92
281640CJ	D3F	5	3-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	5.89	4.50	4.13	3.75
281658CJ	D3M	6	3-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	4.35	3.33	3.06	2.78
281720CJ	J3FS	9	3-pin female, wall plate	69.9mmW x 114.3mmH	23.19	20.88	18.79	16.82
281586CJ	A4F	1	4-pin female, metal	82.0mm x 5.5mm Dia.	7.25	5.56	5.09	4.64
281594CJ	A4M	3	4-pin male, metal	71.2mm x 4.8mm Dia.	4.59	4.08	3.68	3.32
297449CJ	C4F	7	4-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	12.15	9.11	8.35	7.97
297457CJ	C4M	8	4-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	7.19	5.48	5.02	4.82
281666CJ	D4F	5	4-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	8.35	6.38	5.85	5.32
281674CJ	D4M	6	4-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	5.19	3.96	3.63	3.31
281607CJ	A5F	1	5-pin female, metal	82.0mm x 4.7mm Dia.	12.09	9.06	8.31	7.55
281615CJ	A5M	3	5-pin male, metal	70.2mm x 5.3mm Dia.	9.35	7.18	6.58	5.92
281682CJ	D5F	5	5-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	13.39	10.32	9.46	8.55
281691CJ	D5M	6	5-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	9.25	7.01	6.43	5.84
281623CJ	A6F	1	6-pin female, metal	80.2mm x 4.6mm Dia.	10.79	10.25	9.45	8.32
281631CJ	A6M	3	6-pin male, metal	70.5mm x 4.5mm Dia.	9.55	8.78	8.15	7.51
281703CJ	D6F	5	6-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	18.95	14.19	13.02	11.83
281711CJ	D6M	6	6-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	12.35	11.80	9.49	8.30


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7




Fig. 8


Side View

Fig. 9


Front View

Switchcraft® RCA Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281826CJ	3503	10	RCA phono audio jack, metal	43.2mm x 7.6mm ID	$2.59	$2.52	$2.45	$2.38
281818CJ	3502A	11	RCA phono audio plug, nickel	42.4mm x 7.3mm ID	1.85	1.66	1.54	1.40
281800CJ	3502	12	RCA mono phono audio plug, metal	33.8mmL x 5.0mm ID	1.75	1.37	1.21	1.10
281797CJ	3501FP	13	RCA phono audio jack, metal	16.3mm x 6.0mm Dia.	1.29	1.00	.97	.93


Fig. 10


Fig. 11


Fig. 12


Fig. 13

Switchcraft® Power Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281842CJ	712A	14	2.5mm DC power jack, panel mount	15.8mm x 7.5mm Dia.	$2.05	$1.88	$1.76	$1.65
281851CJ	722A	14	2.1mm DC power jack, panel mount	15.1mm x 7.5mm Dia.	2.09	1.94	1.87	1.80
297588CJ	RAPC722	16	2.0mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.85	.77	.71	.68
297561CJ	PC722A	15	2.0mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.35	2.09	1.93	1.91
297570CJ	RAPC712	16	2.5mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.86	.77	.71	.68
297553CJ	PC712A	15	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.99	2.77	2.59	2.53
297529CJ	L712A	17	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	3.75	2.85	2.64	2.61
281877CJ	760	18	2.5mm x 5.5mm DC power plug, plastic	9.6mm x 36.3mm x 5.7mm Dia.	2.15	1.94	1.76	1.66
297617CJ	S760	18	2.1mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	1.99	1.94	1.80	1.67
297289CJ	761K	19	2.5mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	3.99	3.03	2.97	2.92


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19

Microphone (XLR) Connectors


319011CJ


319003CJ


319046CJ


319038CJ

Part No.	Product No.	Description	1	10
319011CJ	250-710	3-pin male microphone, metal	$2.35	$2.17
319003CJ	250-720	3-pin female microphone, metal	2.29	2.20
319046CJ	250-700	3-pin male microphone, metal, panel mount	3.25	2.79
319038CJ	250-705	4-pin female microphone, metal, panel mount	4.15	3.39

Professional Microphone (XLR) Cables and Adapters


305251CJ


305200CJ


305285CJ


305277CJ


305293CJ/307694CJ

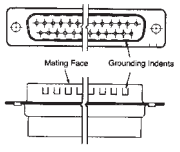
Part No.	Product No.	Description	1	10
305251CJ	251-310	3-pin female to female gender changer	$7.49	$6.99
305200CJ	251-320	3-pin male to male gender changer	7.49	6.99
305285CJ	251-330	1/4" jack to 3-pin female XLR adapter	8.95	7.95
305277CJ	251-340	1/4" jack to 3-pin male XLR adapter	7.95	7.15
305293CJ	255-290	1/4" jack to 3-pin XLR female cable, 20'	10.39	9.85
307694CJ	255-293	1/4" jack to 3-pin XLR female cable, 60'	20.95	19.85

AMP D-Subminiature Connectors

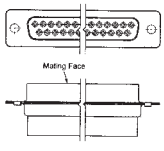
- Dielectric withstanding voltage: 1000VAC (one minute)
- Insulation resistance: 5000MΩ
- Nylon, flame retardant, 94V-0 rated, glass filled
- UL/CSA recognized and certified
- Low-cost, high-performance, precision formed crimp contacts
- Standard mounting method with 0.120" diameter mounting holes

Crimp-Type Contacts

- Current rating: 1.2A to 3.7A
- Intermateable with any size 20 D-sub dimensionally complying with MIL-C-24308
- Crimp snap-in contacts allows loading of only the number of contacts being used



Plug



Receptacle

Zinc-Plated Shell


222666CJ


222711CJ

Part No.	Product No.	Cont.	Description	1	10	100
222640CJ	205204-1	9	Plug	$.95	$.86	$.64
222658CJ	205206-1	15	Plug	1.39	1.24	.92
222666CJ	205208-1	25	Plug	1.05	.92	.82
222674CJ	205210-1	37	Plug	1.69	1.49	1.10
222682CJ	205212-1	50	Plug	2.09	1.79	1.35
222691CJ	205203-1	9	Receptacle	1.10	.99	.77
222703CJ	205205-1	15	Receptacle	1.25	1.10	.82
222711CJ	205207-1	25	Receptacle	1.05	.95	.71
222720CJ	205209-1	37	Receptacle	1.69	1.49	1.10
222738CJ	205211-1	50	Receptacle	2.09	1.79	1.69

Tin-Plated Shell


222818CJ


222842CJ

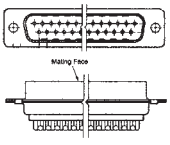

222922CJ

Part No.	Product No.	Cont.	Description	1	10	100
222754CJ	205204-3	9	Plug	$1.29	$1.15	$.85
222762CJ	205206-2	15	Plug	1.49	1.29	.95
222771CJ	207464-1	25	Plug	.94	.80	.61
222789CJ	205210-2	37	Plug	1.69	1.49	1.10
222797CJ	205204-4	9	Plug*	.83	.75	.57
222800CJ	205206-3	15	Plug*	.99	.89	.65
222818CJ	207464-2	25	Plug*	.88	.78	.58
222826CJ	205210-3	37	Plug*	1.69	1.49	1.12
222834CJ	205212-3	50	Plug*	1.79	1.59	1.19
222842CJ	205203-3	9	Receptacle	.69	.59	.52
222914CJ	205205-2	15	Receptacle	.88	.78	.58
222922CJ	207463-1	25	Receptacle	.99	.89	.68
222931CJ	205209-2	37	Receptacle	1.19	1.05	.78
222949CJ	205211-2	50	Receptacle	2.09	1.79	1.63

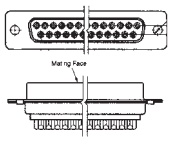
* With grounding indents

Solder-Cup Contacts

- Current rating: 1.2A to 3.0A
- Intermateable with other D-sub connectors
- One-piece 94V-0 rated plastic insert
- Preloaded duplex-plated solder-cup contacts
- Shields offer full EMI shielding and ESD insulation
- Anti-solderwicking contact design



Plug



Receptacle

Zinc-Plated Shell


222973CJ


223044CJ

Part No.	Product No.	Cont.	Description	1	10	100
222957CJ	747904-4	9	Plug	$1.89	$1.59	$1.32
222965CJ	747908-4	15	Plug	2.65	2.19	1.75
222973CJ	747912-4	25	Plug	3.69	3.10	2.49
222981CJ	747916-4	37	Plug	5.45	4.56	3.79
223036CJ	747905-4	9	Receptacle	2.65	2.23	1.76
223044CJ	747913-4	25	Receptacle	4.75	3.99	3.19

Tin-Plated Shell


223010CJ


223079CJ

Part No.	Product No.	Cont.	Description	1	10	100
222990CJ	747904-2	9	Plug	$1.69	$1.55	$1.15
223001CJ	747908-2	15	Plug	2.79	2.49	1.85
223010CJ	747912-2	25	Plug	3.29	2.95	2.19
223028CJ	747916-2	37	Plug	5.29	4.29	3.49
223052CJ	747905-2	9	Receptacle	2.35	2.09	1.55
223061CJ	747909-2	15	Receptacle	3.45	2.99	2.19
223079CJ	747913-2	25	Receptacle	4.09	3.69	2.72
223087CJ	747917-2	37	Receptacle	6.65	5.69	4.19

AMP Plastic Hoods for D-Sub Connectors

- Cable clamp type: clam shell
- Cable exit angle: straight
- Standard clam shell length
- Body material, cable support gate, and cable clamp: thermoplastic
- Screw material: steel
- Screw plating: zinc


230914CJ

Part No.	Product No.	Positions	1	10	100
230893CJ	205729-1	9	$2.25	$1.85	$1.46
230906CJ	205730-1	15	2.35	2.10	1.85
230914CJ	205718-1	25	2.05	1.69	1.32
230922CJ	205731-1	37	2.99	2.63	2.29
230931CJ	205732-1	50	3.19	2.65	2.19

D-Sub Pin Insertion/ Extraction Tools


19094CJ

19094CJ/223335CJ: Plastic body; metal tips

223327CJ: Handle with .050" hex wrench & exchangeable tips


223327CJ

Part No.	Description	1	10	100
19094CJ	Red/white plastic body	$2.79	$2.49	$2.15
223335CJ	AMP# 91067-2	4.45	3.95	3.75
223327CJ	AMP# 91285-1	19.99	18.99	17.99

AMP D-Sub Contacts

- Pin material: brass; socket material: phosphor bronze
- Contact plating
- ***A:** Select – gold flash over nickel on entire contact, with additional gold (.000030) on mating end; ***B:** Duplex – gold (.000030) on mating end, tin-lead on termination end, with entire contact nickel underplated; ***C:** gold flash over nickel on entire contact; ***D:** gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated
- For use with AMP D-sub connectors (see left)
- **Prepackaged: order in increments of 10, 100 or 1000**


*Fig. 1 (male)


*Fig. 2 (female)

With Insulation Support

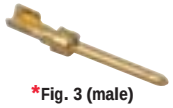

*Fig. 3 (male)


*Fig. 4 (female)

Without Insulation Support


*Fig. 5 (male)


*Fig. 6 (female)

Without Insulation Support

Male Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223095CJ	1-66507-0	1C	28-24	$.24	$.17	$.12
223124CJ	66682-4	1A	28-24	.22	.16	.14
223108CJ	66507-9	1A	28-24	.18	.12	.09
223132CJ	745254-7	1C	26-22	.25	.18	.128
223141CJ	745254-6	1A	26-22	.25	.18	.13
223159CJ	1-745254-6	1B	26-22	.25	.18	.13
223167CJ	1-66506-0	1C	24-20	.16	.15	.12
223175CJ	205202-7	3C	24-20	.24	.17	.14
223183CJ	5-66506-9	1D	24-20	.21	.15	.13
223191CJ	66506-9	1A	24-20	.16	.15	.10
223204CJ	5-66506-7	1B	24-20	.24	.17	.12
223212CJ	745229-4	3A	22-18	.26	.24	.19

Female Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223221CJ	1-66505-0	2C	28-24	$.18	$.12	$.09
223239CJ	66683-4	2A	28-24	.16	.126	.102
223247CJ	745253-6	2A	26-22	.27	.20	.14
223255CJ	1-66504-0	2C	24-20	.17	.15	.11
223263CJ	205201-7	4C	24-20	.26	.214	.16
223271CJ	5-66504-7	2D	24-20	.16	.12	.10
223280CJ	205201-5	4A	24-20	.18	.147	.11
223298CJ	66504-9	2A	24-20	.17	.15	.13
223301CJ	6-66504-0	2B	24-20	.26	.214	.16

Male Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
234982CJ	66570-3	5A	28-24	$.22	$.12	$.11

Female Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
223319CJ	66569-3	6A	18 (max.)	$.225	$.18	$.162

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Interconnects

D-Sub Connector Hoods


15085CJ Plastic


25620CJ Metallized

- Use with D-sub solder cup and housing style connectors (hardware included)

A Jameco EXCLUSIVE

D Series: plastic hood with strain relief (gray)
MD Series: metal coated plastic hood w/ strain relief
MH Series: die-cast metal hood with strain relief

Part No.	Mfr. Cross Ref. No.	Connector	1	10	100	1000
15721CJ	DB9H	9-pin	$.49	$.45	$.39	$.35
25620CJ	MDB9H	9-pin	.59	.49	.39	.35
147740CJ	MHDB9	9-pin	1.45	1.29	1.15	.99
15018CJ	DA15H	15-pin	.49	.45	.40	.35
25566CJ	MDA15H	15-pin	.56	.44	.36	.31
15085CJ	DB25H	25-pin	.45	.39	.35	.32
25603CJ	MDB25H	25-pin	.59	.49	.42	.35
15106CJ	MHDB25	25-pin	1.39	1.19	1.09	.89
15456CJ	DC37H	37-pin	.59	.55	.45	.39
25611CJ	MDC37H	37-pin	.75	.69	.59	.53
15659CJ	DD50H	50-pin	.99	.85	.75	.65

25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors. Applications include custom jumper boxes and interconnects.

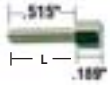

Shown assembled

A Jameco EXCLUSIVE

Part No.	Description	1	10	100	500
34091CJ	25-pin, plastic dual	$.95	$.85	$.75	$.59

4-40 Screw Hardware for D-Subminiature Connectors

4-40 x .187" Jack Screws and Standoffs



108986CJ



102795CJ


125014CJ

✳ **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	1	10	100	1000
196293CJ	.252"L jack screw ✳	$.21	$.12	$.08	
169931CJ	.275"L jack screw ✳	.15	.13	.11	
172603CJ	.315"L jack screw ✳	.121	.101	.076	
102816CJ	.435"L jack screw	.49	.46	.41	.37
108986CJ	.515"L jack screw	.55	.50	.45	.40
125014CJ	4-40 x 1.65"L plastic beige thumbscrew	.39	.35	.32	.25
175636CJ	.187"L standoff ✳	.21	.15	.10	
102795CJ	.236"L (6mm) standoff ✳	.21	.15	.10	

4-40 Screw Sets





102808CJ


16547CJ

102808CJ: 4-40 screw (.30"L) and retainer set
16547CJ: 4-40 x .187" jack screw (.31"L thread), washer, lock washer, and nut set

- **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	10	100	1000
102808CJ	Screw/retainer set	$.39	$.35	$.30
16547CJ	Screw/nut set	.31	.25	.17

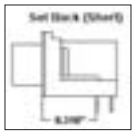
D-Subminiature Connectors

A Jameco EXCLUSIVE

- Metal shells are tin-plated for improved EMI/RFI shielding
- Insulation resistance: minimum 1000MΩ at 500VDC
- Dielectric withstanding voltage: 1000V (one minute)
- Current rating: 1A to 5A
- High temperature thermoplastic
- Insulation material: PBT

Right Angle PC Mount

.318" Set Back



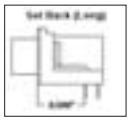
- Short style
- Lead length: .138"
- Lead spacing: .115"
- Shell: metal
- Current rating: 1A


15149CJ

Part No.	Mfr. Cross Ref. No.	Cont.	Gender	1	10	100	500
104942CJ	DB9P318	9	M	$.55	$.50	$.45	$.38
104951CJ	DB9S318	9	F	.60	.55	.49	.45
71124CJ	DA15P318	15	M	.69	.59	.55	.49
77956CJ	DA15S318	15	F	.79	.69	.65	.45
168743CJ	HDDB15S318*	15	M	.49	.48	.46	.44
71466CJ	HDDB15S318*	15	F	.59	.53	.48	.39
15149CJ	DB25P318	25	M	.79	.65	.55	.45
15181CJ	DB25S318	25	F	.89	.79	.72	.65
265439CJ	DSUB-25F	25	F	.85	.73	.62	.48
71706CJ	DC37P318	37	M	.99	.89	.80	.66
78182CJ	DC37S318	37	F	1.15	.95	.69	.49

*High Density

.590" Set Back



- Lead length: .178"
- Lead spacing: .104"
- Current rating: 1A
- Shell: metal
- Long style


104977CJ

Part No.	Mfr. Cross Ref. No.	Cont.	Gender	1	10	100
104969CJ	DB9P590	9	M	$.99	$.83	$.72
104977CJ	DB9S590	9	F	.89	.79	.75
104993CJ	DA15S590	15	F	1.05	.91	.63
105005CJ	DB25P590	25	M	.99	.89	.79
105013CJ	DB25S590	25	F	1.25	1.12	.99

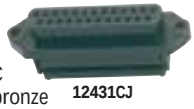
Other Manufacturers — Great Deals

189624CJ	DB25P590†	25	M	$.29	$.26	$.24

† Without board tabs

IDC Ribbon Cable Connectors

- Current rating: 1 amp
- Insulation material: glass-filled polyester
- Temp range:-55°C to +120°C
- Contact material: phosphor bronze
- Terminates with standard D-type connectors
- Shell: MD: metal; CD: plastic (see mfr. cross ref. no.)


12431CJ

Part No.	Mfr. Cross Ref. No.	Cont.	Gender	1	10	100
109225CJ	MDB9P†	9	M	$1.39	$1.29	$1.13
12503CJ	CDB9P	9	M	2.49	1.79	1.59
109217CJ	MDB9S†	9	F	1.55	1.23	1.08
12520CJ	CDB9S	9	F	2.59	2.35	2.09
117381CJ	MDA15P	15	M	1.65	1.32	.73
12298CJ	CDA15P	15	M	1.65	1.32	.79
116011CJ	MDA15S	15	F	1.55	1.25	.85
12319CJ	CDA15S	15	F	1.79	1.43	.66
115983CJ	MDB25P	25	M	2.05	1.83	1.54
12335CJ	CDB25P	25	M	1.89	1.69	1.29
115975CJ	MDB25S	25	F	2.05	1.83	1.54
12431CJ	CDB25S	25	F	1.95	1.79	1.39
115991CJ	MDC37P	37	M	2.39	2.15	1.55
12466CJ	CDC37P	37	M	3.09	2.79	2.49
116003CJ	MDC37S	37	F	3.25	2.94	2.65
12482CJ	CDC37S	37	F	3.49	2.99	2.25

† Require flat cable w/ .0625" centers

Crimp-Type Connectors & Pins

- Connectors: metal shell; removable male/female crimp pins
- Male/female pins: gold plated contact; tinned crimp tail
- Insertion/extraction tool: exchangeable tips
- Use 99442CJ, pg 242 to crimp 43377CJ, 43369CJ


180890CJ


38771CJ


43369CJ


19094CJ

✳ **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	1	10	100	1000
73189CJ	DB9 M housing	$.49	$.39	$.31	$.19
73197CJ	DB9 F housing	.49	.39	.31	.19
73200CJ	DA15 M housing	.59	.53	.48	.43
73218CJ	DA15 F housing	.62	.56	.50	.44
180881CJ	HDDB15 M housing*	1.09	.98	.78	.58
180890CJ	HDDB15 F housing*	.89	.79	.72	.65
38789CJ	DB25 M housing	.56	.44	.36	.21
38771CJ	DB25 F housing	.55	.44	.31	.21
43377CJ	M crimp pin ✳		.10	.09	.08
43369CJ	F crimp pin ✳		.08	.07	.06
185421CJ	M crimp pin (180881CJ) ✳		.055	.045	.04
185412CJ	F crimp pin (180890CJ) ✳		.055	.05	.04
19094CJ	Insert./extract. tool for above pins (HT101)	2.79	2.49	2.15	2.04

* High Density

Solder-Cup Connectors

- Compatible with 24 AWG communications and 22 AWG solid cable, pg 94
- Shell: metal


203799CJ

Part No.	Contacts	Gender	1	10	100	1000
15747CJ	9	M	$.56	$.44	$.36	$.24
15771CJ	9	F	.59	.49	.44	.31
15077CJ	15HD*	M	.69	.59	.49	.31
164822CJ	15HD*	F	.79	.69	.59	.39
15034CJ	15	M	.55	.49	.42	.29
15051CJ	15	F	.59	.49	.39	.24
15114CJ	25	M	.99	.89	.79	.71
15157CJ	25	F	.89	.80	.69	.61
203799CJ	26HD*	M	.65	.58	.52	.49
203781CJ	26HD*	F	.75	.68	.61	.58
15472CJ	37	M	.99	.85	.79	.49
15499CJ	37	F	1.19	1.05	.85	.49
15675CJ	50	M	1.65	1.49	1.35	.99
15691CJ	50	F	1.79	1.39	1.32	1.19

* High Density

Straight PC Mount Connectors

- Non-removable contacts
- 125 Vrms
- Current rating: 5 amps
- Operating temp.: -65°F to +250°F
- Shell: metal


15122CJ


15780CJ

A Jameco EXCLUSIVE

Part No.	Mfr. Cross Ref. No.	Cont.	Gender	1	10	100
111691CJ	DB9PPCB	9	M	$.55	$.45	$.32
15780CJ	DB9SPCB	9	F	.55	.45	.32
176760CJ	DA15PPCB	15	M	.49	.44	.39
176751CJ	DA15SPCB	15	F	.49	.42	.31
15122CJ	DB25PPCB	25	M	.65	.59	.52
15165CJ	DB25SPCB	25	F	.74	.67	.39
180021CJ	DC37SPCB	37	F	.85	.72	.54

Interconnects

.062" (1.57mm) Power Connectors

- Passive friction lock
- Voltage: 250V • Current: 5.0A
- Polarized housing assures proper mating
- Dielectric withstanding voltage: 1500VAC$_{RMS}$
- Contact retention to housing: 20 lbs. minimum
- Housing: nylon; UL94V-2
- Temperature range: -40˚C to +105˚C

Plugs



224485CJ 230009CJ 230084CJ

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224477CJ	03-06-2011*	1	$.29	$.16	$.13
224485CJ	03-06-2023*	2	.30	.18	.15
224493CJ	03-06-2032*	3	.31	.19	.16
224506CJ	03-06-2042*	4	.39	.27	.24
224514CJ	03-06-2044**	4	.39	.27	.24
230244CJ	03-06-2055*	5	.47	.26	.24
224522CJ	03-06-2061**	6	.45	.28	.25
224531CJ	03-06-2092**	9	.49	.27	.24
224549CJ	03-06-2122**	12	.52	.30	.25

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229948CJ	03-06-2024*	2	$.30	$.17	$.14
229964CJ	03-06-2033*	3	.35	.18	.15
229981CJ	03-06-2041*	4	.47	.27	.24
230009CJ	03-06-2043**	4	.47	.26	.24
230025CJ	03-06-2054*	5	.47	.26	.24
230041CJ	03-06-2062**	6	.47	.26	.24
230068CJ	03-06-2091**	9	.47	.26	.24
230084CJ	03-06-2121**	12	.55	.29	.26

*In-line **Grid

Receptacles



230252CJ 229956CJ 230092CJ

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224397CJ	03-06-1011*	1	$.29	$.16	$.13
224400CJ	03-06-1023*	2	.30	.18	.15
224418CJ	03-06-1032*	3	.31	.19	.16
224426CJ	03-06-1042*	4	.39	.27	.24
224434CJ	03-06-1044**	4	.39	.27	.24
230252CJ	03-06-1056*	5	.55	.35	.31
224442CJ	03-06-1062**	6	.45	.28	.25
224451CJ	03-06-1092**	9	.49	.27	.24
224469CJ	03-06-1122**	12	.52	.30	.25

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229956CJ	03-06-1022*	2	$.31	$.16	$.14
229972CJ	03-06-1038*	3	.32	.17	.15
229999CJ	03-06-1041*	4	.49	.26	.23
230017CJ	03-06-1043**	4	.49	.26	.23
230033CJ	03-06-1055*	5	.59	.49	.36
230050CJ	03-06-1061**	6	.47	.26	.23
230076CJ	03-06-1091**	9	.47	.26	.23
230092CJ	03-06-1121**	12	.49	.33	.30

*In-line **Grid

.093" (2.36mm) Power Connectors

- Passive friction lock
- Voltage: 250V
- Current: 12A per circuit
- Dielectric withstanding voltage: 1500VAC$_{RMS}$
- Contact retention to housing: 20 lbs. minimum
- Housing: nylon; UL94V-2
- Temperature range: -40˚C to +105˚C

Plugs



229825CJ 230261CJ 230181CJ

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224063CJ	03-09-2011*	1	$.29	$.18	$.12
224071CJ	03-09-2022*	2	.30	.25	.18
224080CJ	03-09-2032*	3	.41	.32	.21
224098CJ	03-09-2042*	4	.45	.22	.20
229825CJ	03-09-2049**	4	.45	.34	.26
230261CJ	03-09-2057*	5	.55	.29	.26
224101CJ	03-09-2062**	6	.49	.39	.29
224119CJ	03-09-2092**	9	.55	.35	.30
224127CJ	03-09-2121**	12	.69	.59	.39

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230105CJ	03-09-2021*	2	$.35	$.18	$.16
230121CJ	03-09-2031*	3	.42	.22	.20
230148CJ	03-09-2041*	4	.42	.22	.20
230164CJ	03-09-2040**	4	.64	.59	.35
230181CJ	03-09-2061**	6	.35	.33	.25
230201CJ	03-09-2091**	9	.65	.35	.31
230228CJ	03-09-2122**	12	.71	.38	.35

*In-line **Grid

Receptacles



229817CJ 230130CJ 230199CJ

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224135CJ	03-09-1011*	1	$.29	$.09	$.08
224143CJ	03-09-1022*	2	.30	.25	.18
224151CJ	03-09-1032*	3	.44	.25	.16
224160CJ	03-09-1042*	4	.46	.25	.22
229817CJ	03-09-1049**	4	.46	.33	.25
230279CJ	03-09-1057*	5	.59	.49	.32
224178CJ	03-09-1064**	6	.49	.23	.20
224186CJ	03-09-1094**	9	.69	.59	.39
224194CJ	03-09-1126**	12	.75	.49	.39

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230113CJ	03-09-1027*	2	$.35	$.17	$.15
230130CJ	03-09-1081*	3	.48	.24	.22
230156CJ	03-09-1041*	4	.40	.23	.17
230172CJ	03-09-1040**	4	.48	.25	.23
230199CJ	03-09-1061**	6	.49	.26	.25
230210CJ	03-09-1091**	9	.62	.33	.30
230236CJ	03-09-1125**	12	.62	.33	.30

*In-line **Grid

.062" (1.57mm) Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40˚C to +105˚C • Tin plating
- **Prepackaged: order in increments of 10, 100 or 1000**

Crimp-Type Contacts



224565CJ 224557CJ

Part No.	Product No.	Gender	AWG	10	100	1000
224565CJ	02-06-2103	M	18-24	$.18	$.057	$.038
224581CJ	02-06-2132	M	24-30	.18	.057	.038
224557CJ	02-06-1103	F	18-24	.18	.057	.038
224573CJ	02-06-1132	F	24-30	.18	.057	.038

Solder-Tail Contacts



227379CJ 227387CJ

Part No.	Product No.	Gender	10	100	1000
227379CJ	02-06-8103	Male	$.18	$.11	$.066
227387CJ	02-06-7103	Female	.18	.11	.066

.093" (2.36mm) Contacts

- Contact: brass or phosphor bronze
- Tin plating
- Temperature range: -40˚C to +105˚C
- **Prepackaged: order in increments of 10, 100 or 1000**

Crimp-Type Contacts



224207CJ 224215CJ

Part No.	Product No.	Gender	AWG	10	100	1000
224207CJ	02-09-2118	M	18-22	$.19	$.06	$.04
224223CJ	02-09-2103	M	14-20	.18	.059	.04
224215CJ	02-09-1119	F	18-22	.20	.07	.04
224231CJ	02-09-1104	F	14-20	.18	.059	.042

Solder-Tail Contacts



224240CJ 224258CJ

Part No.	Product No.	Gender	10	100	1000
224240CJ	02-09-2133	Male	$.149	$.129	$.091
224258CJ	02-09-1134	Female	.20	.14	.09

Hand Crimp Tools



227491CJ

This tool is designed to crimp terminals, strip and cut wires, and cut bolts. For Molex crimp pin terminals with .062", .093" diameters and KK® series on opposite page.

308030CJ: Cuts & strips 14-24 AWG wires
227491CJ: Cuts & strips 18-30 AWG wires

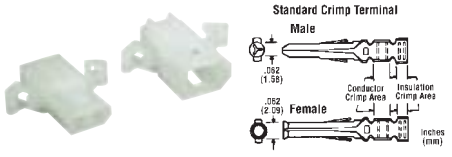
Part No.	Product No.	Length	Color	1	5
308030CJ	W-HT-1919	8.3"L	Red	$14.99	$13.99
227491CJ	W-HT-1921	8.3"L	Yellow	14.99	13.99

.062" Power Connector Kit

This assortment kit contains mating sets of housings and pins.

- Voltage: 250VAC • Current: 5A
- Temperature range: -40˚C to +105˚C

Includes: 3 ea. 2-pin plugs and 2-pin receptacles, 8 ea. male contacts and 8 ea. female contacts.



Part No.	Product No.	Description	1	10	50
142113CJ	1625-2	Kit	$5.69	$5.15	$4.59

.093" Power Connector Kits

These assortment kits contain mating sets of housings and pins.

- Voltage: 250VAC
- Temperature range: -40˚C to +105˚C

142181CJ: • 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts • Current: 12A

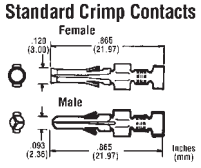
142201CJ: • 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts • Current: 9A

142228CJ: • 2 ea. 6-pin plugs & receptacles, 14 ea. female & male contacts • Current: 9A

Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire



142228CJ



Part No.	Product No.	Description	1	10	50
142181CJ	1545	2-pin kit	$4.95	$4.49	$3.95
142201CJ	1490	4-pin kit	5.69	5.15	4.65
142228CJ	1261	6-pin kit	5.25	4.75	3.95

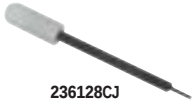
Extraction Tools for Molex Connectors



142156CJ/142236CJ



227467CJ/227395CJ



236128CJ



234940CJ

142156CJ/227467CJ: For .062" power connectors
142236CJ/227395CJ: For .093" power connectors
236128CJ/234940CJ: For .100" KK® series housing

Part No.	Product No.	AWG	1	10
142156CJ	W-HT-2285	18-30	$14.49	$13.49
227467CJ	W-HT-2023	18-30	11.99	10.99
142236CJ	W-HT-2038	14-30	14.49	13.49
227395CJ	W-HT-2054	14-30	11.99	10.99
236128CJ	W-HT-1884	22-30	9.99	8.99
234940CJ	11-03-0022	22-30	14.99	12.99

.084" (2.13mm) Pin and Socket Connectors

JAMECO ValuePro

.084" Molex 42002 / 42021 / 42022 Series Value Equivalents

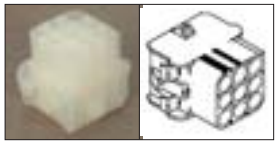
- Intermateable, interchangeable, and intermountable with industry-standard versions
- Positive locks
- Circuit ID grooves to reduce assembly errors
- Material: Nylon 94V-2, white
- Insulation resistance: 1000MΩ
- Contact resistance: 3.5mΩ max.
- Dielectric withstanding voltage: 2900V (header); 5000V (wire to wire)
- Fully isolated contacts
- Anti-stress positioning tabs to reduce breakage
- Operating temp: -55˚C to +105˚C
- Voltage: 600V
- Plating: tin
- Dielectric withstanding voltage: 2900V (header); 5000V (wire to wire)

A JAMECO EXCLUSIVE

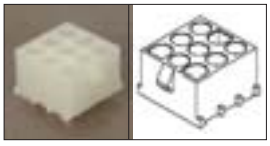
NEW



379284CJ (Fig. 1)



379356CJ (Fig. 2)



379461CJ (Fig. 3)

Plugs (Fig. 1)
42021 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Mfr. Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379241CJ	50-84-1020	1 x 2	13.5	$.20	$.142	$.12
379250CJ	50-84-1030	1 x 3	13.5	.21	.158	.136
379268CJ	50-84-1040	1 x 4	13.5	.25	.19	.16
379276CJ	50-84-1060	2 x 3	11	.27	.205	.176
379284CJ	50-84-1090	3 x 3	11	.28	.221	.192
379292CJ	50-84-1120	3 x 4	11	.34	.261	.224
379305CJ	50-84-1120	3 x 5	11	.37	.285	.256

* Grid layout is rows x columns

Receptacles (Fig. 2)
42022 Series Value Equivalents

- Mates with series 42021 plugs

Part No.	Product No.	Grid Layout*	A/Circuit Max	1	10	100
379313CJ	50-84-2020	1 x 2	13.5	$.20	$.142	$.12
379321CJ	50-84-2030	1 x 3	13.5	.21	.158	.136
379330CJ	50-84-2040	1 x 4	13.5	.25	.19	.16
379348CJ	50-84-2060	2 x 3	11	.27	.205	.176
379356CJ	50-84-2090	3 x 3	11	.28	.221	.192
379364CJ	50-84-2120	3 x 4	11	.34	.261	.224
379372CJ	50-84-2150	3 x 5	11	.37	.285	.256

* Grid layout is rows x columns

Vertical Male Headers (Fig. 3)
42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Mfr. Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379381CJ	10-84-4020	1 x 2	13.5	$.51	$.411	$.36
379401CJ	10-84-4030	1 x 3	13.5	.58	.458	.40
379428CJ	10-84-4040	1 x 4	13.5	.60	.45	.384
379444CJ	10-84-4060	2 x 3	11	.70	.687	.592
379461CJ	10-84-4090	3 x 3	11	.72	.561	.52
379487CJ	10-84-4120	3 x 4	11	.83	.68	.64
379508CJ	10-84-4150	3 x 5	11	1.05	.758	.696

* Grid layout is rows x columns

Vertical Female Headers (Fig. 3)
42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Mfr. Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379399CJ	10-84-4022	1 x 2	13.5	$.32	$.269	$.24
379410CJ	10-84-4032	1 x 3	13.5	.25	.244	.208
379436CJ	10-84-4042	1 x 4	13.5	.48	.395	.344
379452CJ	10-84-4062	2 x 3	11	.70	.553	.48
379479CJ	10-84-4092	3 x 3	11	.63	.593	.56
379495CJ	10-84-4122	3 x 4	11	.81	.687	.616
379516CJ	10-84-4152	3 x 5	11	.99	.727	.672

* Grid layout is rows x columns

Contacts

Type*:
1: Female
2: Male
A: Brass
B: Phosphor bronze
C: Brass standard insertion
D: Brass low insertion





- **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Mfr. Ref. No.	AWG	Type*	10	100	500
401314CJ	71T-D224-LP	12-14	1A	$.075	$.062	$.054
401331CJ	71T-D524-LP	12-14	1B	.07	.067	.064
379524CJ	71T-5224-LP	16-20	1A	.075	.062	.054
379532CJ	71T-5524-LP	16-20	1B	.07	.067	.064
401306CJ	71T-S224-LP	18-22	1A	.075	.062	.054
401322CJ	71T-S524-LP	18-22	1B	.07	.067	.064
401357CJ	70T-D214-LP	12-14	2A	.073	.066	.051
401373CJ	70T-D2L4-LP†	12-14	2D	.073	.066	.051
379541CJ	70T-5214-LP	16-20	2C	.073	.066	.051
398784CJ	70T-52L4-LP†	16-20	2C	.073	.066	.051
401349CJ	70T-S214-LP	18-22	2A	.073	.066	.051
401365CJ	70T-S2L4-LP†	18-22	2D	.073	.066	.051

† For 6-15 circuit connectors

Extraction Tools for Crimp Pins

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"
- See left and pg 123 for crimp pins



131887CJ

131887CJ: Male tool for 42729CJ
131879CJ: Female tool for 42649CJ

Part No.	Product No.	1	10
131887CJ	HT319C	$10.95	$9.86
131879CJ	HT319B	11.29	9.03

See pgs 241-245 for additional Hand Tools.

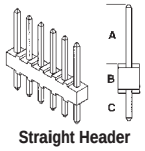
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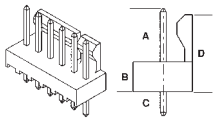
KK® Series .100" (2.54mm) Male Headers

For Even More Molex Connectors Visit www.Jameco.com/Molex

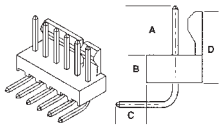
- Voltage: 250V • Current: 4.0A
- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 50,000MΩ min.
- Housing: nylon, UL94V-0
- Contact: brass, 0 – 6.4mm (0.25") square
- Durability: tin – 25 cycles max.; gold – 100 cycles max.



Straight Header



Straight Friction Lock



Right Angle Friction Lock

Straight Headers (Tin)

- Dimensions: (A) .295"; (B) .130"; (C) .135"

✳Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
232178CJ	22-03-2021	2	✳	$.10	$.09
232186CJ	22-03-2031	3	✳	.16	.14
232194CJ	22-03-2041	4	✳	.21	.19
232207CJ	22-03-2051	5	.29	.26	.24
232215CJ	22-03-2061	6	.34	.31	.27
232223CJ	22-03-2081	8	.40	.37	.33
232231CJ	22-03-2101	10	.46	.42	.37
232240CJ	22-03-2121	12	.56	.51	.45

Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
232266CJ	22-23-2021	2	$.29	$.23	$.15
232274CJ	22-23-2031	3	.35	.30	.19
232282CJ	22-23-2041	4	.42	.36	.23
232291CJ	22-23-2051	5	.49	.42	.27
232303CJ	22-23-2061	6	.55	.48	.31
232311CJ	22-23-2071	7	.63	.55	.36
232320CJ	22-23-2081	8	.72	.63	.41
232338CJ	22-23-2091	9	.76	.66	.37
232346CJ	22-23-2101	10	.80	.70	.46
232354CJ	22-23-2121	12	.95	.83	.55

Right Angle Friction Lock Headers (Tin)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233437CJ	22-05-3021	2	$.42	$.36	$.22
233445CJ	22-05-3031	3	.56	.49	.30
233453CJ	22-05-3041	4	.71	.61	.39
233461CJ	22-05-3051	5	.77	.67	.43
233470CJ	22-05-3061	6	.85	.74	.48
233488CJ	22-05-3071	7	.99	.79	.56
233496CJ	22-05-3081	8	1.03	.83	.58
233509CJ	22-05-3101	10	1.08	.94	.61
233517CJ	22-05-3121	12	1.19	.99	.69

Straight Friction Lock Headers (Gold)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584CJ	22-11-2022	2	$.54	$.46	$.29
233592CJ	22-11-2032	3	.85	.74	.47
233605CJ	22-11-2042	4	.87	.76	.49
233613CJ	22-11-2052	5	1.22	1.06	.69
233621CJ	22-11-2062	6	1.34	1.17	.76
233630CJ	22-11-2072	7	1.55	1.36	.89
233648CJ	22-11-2082	8	1.65	1.42	.93
233656CJ	22-11-2102	10	2.05	1.77	1.16
233664CJ	22-11-2122	12	2.39	2.12	1.39

Right Angle Friction Lock Headers (Gold)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233672CJ	22-12-2024	2	$.89	$.77	$.48
233681CJ	22-12-2034	3	1.15	.99	.63
233699CJ	22-12-2044	4	1.36	1.19	.76
233701CJ	22-12-2054	5	1.49	1.31	.84
233710CJ	22-12-2064	6	1.65	1.43	.92
233728CJ	22-12-2084	8	1.85	1.51	1.05

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KK® Series .100" (2.54mm) Female Housing and Crimp Contacts

- Voltage: 250V
- Current: phosphor bronze – 4.0A max., brass – 2.5A max.
- Contact resistance: 20mΩ max.
- Dielectric withstanding volt.: 1500VAC
- Insulation resistance: 50,000MΩ

Housing Material:

- Contact insertion force: 1.5 lbs. max.
- Contact retention to housing: 8 lbs. min.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75˚C


234801CJ


234721CJ

Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798CJ	22-01-3027	2	$.29	$.17	$.10
234801CJ	22-01-3037	3	.29	.21	.13
234819CJ	22-01-3047	4	.31	.27	.17
234827CJ	22-01-3057	5	.36	.31	.20
234835CJ	22-01-3067	6	.42	.36	.23
234843CJ	22-01-3077	7	.47	.41	.26
234851CJ	22-01-3087	8	.54	.47	.30
234860CJ	22-01-3097	9	.58	.50	.32
234878CJ	22-01-3107	10	.65	.55	.35
234886CJ	22-01-3127	12	.76	.66	.42

Housing with Locking Ramp

Part No.	Product No.	Positions	1	10	100
234704CJ	22-01-2027	2	$.29	$.15	$.09
234712CJ	22-01-2037	3	.29	.20	.12
234721CJ	22-01-2047	4	.29	.24	.15
234739CJ	22-01-2057	5	.33	.28	.17
234747CJ	22-01-2067	6	.36	.32	.20
234755CJ	22-01-2087	8	.47	.41	.26
234763CJ	22-01-2097	9	.51	.44	.28
234771CJ	22-01-2107	10	.57	.49	.31
234780CJ	22-01-2127	12	.67	.58	.37

Crimp Contacts


234931CJ

- Accommodates 22 to 30 AWG
- Material: brass or phosphor bronze
- Insulation range: 0.062" (1.58mm) diameter max.
- **Prepackaged: order in increments of 10, 100 or 1000**

234923CJ: Brass with tin plating
234931CJ: Brass with 15µ" select gold plating

Part No.	Product No.	10	100	1000
234923CJ	08-50-0114	$.065	$.048	$.029
234931CJ	08-55-0102	.22	.17	.11

JAMECO ValuePro .100" (2.54mm) IDC Headers

- Housing: UL94V-0 rated, polyester, natural color

JAMECO EXCLUSIVE

Narrow Flat Headers


Fig. 1 (347266CJ)


Fig. 2 (347371CJ)

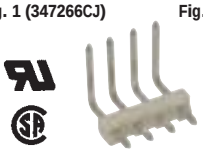

Fig. 3 (347442CJ)


Fig. 4 (347531CJ)

- Posts: copper alloy, tin plated
- Base dimensions: 0.092"W x 0.1"H

✳ Prepackaged: order in increments of 10 or 100

Straight Post – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
347240CJ	644456-2	1	2	✳	$.136	$.099
347258CJ	644456-3	1	3	.20	.168	.123
347266CJ	644456-4	1	4	.22	.209	.163
347274CJ	644456-5	1	5	.28	.266	.204
347282CJ	644456-6	1	6	.30	.246	.223
347291CJ	644456-7	1	7	.30	.269	.192
347303CJ	644456-8	1	8	.41	.328	.297
347311CJ	644456-9	1	9	.45	.368	.334
347320CJ	1-644456-0	1	10	.51	.409	.371

Straight Post w/ Retentive Leg – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
347338CJ	644695-2	2	2	✳	$.112	$.109
347346CJ	644695-3	2	3	✳	.12	.117
347354CJ	644695-4	2	4	✳	.183	.179
347362CJ	644695-5	2	5	.23	.22	.192
347371CJ	644695-6	2	6	.25	.248	.245
347389CJ	644695-7	2	7	.29	.288	.286
347397CJ	644695-8	2	8	.33	.328	.326
347400CJ	644695-9	2	9	.37	.368	.367
347418CJ	1-644695-0	2	10	.41	.409	.408

Right Angle Post – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
347426CJ	644457-2	3	2	✳	$.116	$.085
347434CJ	644457-3	3	3	✳	.151	.111
347442CJ	644457-4	3	4	.23	.229	.17
347451CJ	644457-5	3	5	.20	.189	.176
347469CJ	644457-6	3	6	.31	.30	.232
347477CJ	644457-7	3	7	.99	.98	.748
347485CJ	644457-8	3	8	.42	.40	.309
347493CJ	644457-9	3	9	.48	.475	.348
347506CJ	1-644457-0	3	10	.53	.528	.386

Right Angle Post w/ Retentive Leg – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
347514CJ	644694-2	4	2	✳	$.102	$.081
347522CJ	644694-3	4	3	✳	.125	.122
347531CJ	644694-4	4	4	✳	.172	.171
347549CJ	644694-5	4	5	.24	.238	.234
347557CJ	644694-6	4	6	.26	.259	.255
347565CJ	644694-7	4	7	.30	.299	.297
347573CJ	644694-8	4	8	.34	.339	.216
347581CJ	644694-9	4	9	.39	.388	.382
347590CJ	1-644694-0	4	10	.43	.428	.425

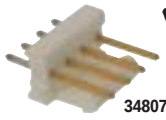
.100" (2.54mm) IDC Headers (Continued)

- Housing: UL94V-0 rated, polyester, natural color

A Jameco EXCLUSIVE

Friction Lock Headers

- Posts: copper alloy, gold over nickel plated



348074CJ (Fig. 1)



348251CJ (Fig. 2)

Straight Post – Gold Plated

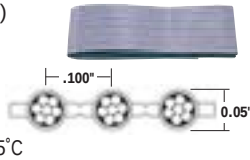
Part No.	Product No.	Fig.	Pos.	1	10	100
348058CJ	641215-2	1	2	$.37	$.304	$.276
348066CJ	641215-3	1	3	.42	.387	.368
348074CJ	641215-4	1	4	.52	.474	.456
348082CJ	641215-5	1	5	.91	.74	.671
348091CJ	641215-6	1	6	.74	.672	.648
348103CJ	641215-7	1	7	.82	.743	.712
348111CJ	641215-8	1	8	.50	.495	.492
348120CJ	641215-9	1	9	1.34	1.088	.987
348138CJ	1-641215-0	1	10	1.05	.956	.92

Right Angle Post – Gold Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
348234CJ	641216-2	2	2	$.56	$.559	$.416
348242CJ	641216-3	2	3	.78	.779	.573
348251CJ	641216-4	2	4	.95	.948	.694
348269CJ	641216-5	2	5	.82	.743	.712
348277CJ	641216-6	2	6	1.25	1.241	.908
348285CJ	641216-7	2	7	1.29	1.28	.947
348293CJ	641216-8	2	8	.65	.62	.58
348306CJ	641216-9	2	9	1.45	1.43	1.046
348314CJ	1-641216-0	2	10	1.15	1.043	.992

.100" (2.54mm) Flat Ribbon Cable

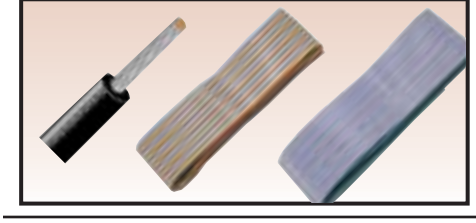
- .100" centers (2.54mm)
- 10-conductor 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temperature: 105˚C
- Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resistance: 100MΩ
- Capacitance: 31pF/m • Inductance: 1.45µH/m



Part No.	Product No.	Length (Ft.)	1	10	25
363813CJ	H24G-10-10	10	$8.99	$8.49	$7.99
363821CJ	H24G-10-25	25	19.99	18.99	17.99
363856CJ	H24G-10-100	100	69.99	64.99	59.99
363864CJ	H24G-10-250	250†	199.99	174.99	149.99

† 250 ft. full reel

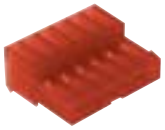
For compatible wire see pages 91 & 94.



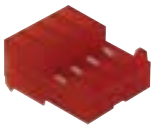
.100" (2.54mm) IDC Connectors

A Jameco EXCLUSIVE

- Voltage rating: 250VAC
- Current rating: 4A max.
- Dielectric withstanding voltage: 750VAC/1 min.
- Low-level resistance: 5mΩ max. initial
- Insulation resistance: 5000MΩ min. initial



345640CJ Closed-End Style w/o Polarizing Tab



345981CJ Closed-End Style w/ Polarizing Tab



346431CJ Feed-Thru Style w/o Polarizing Tab



346790CJ Feed-Thru Style w/ Polarizing Tab

Closed-End Style

Without Polarizing Tabs

✳ Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Pos.	AWG	Color	1	10	100
345631CJ	640440-5	5	22	Red	$.20	$.122	$.121
345640CJ	640440-6	6	22	Red	.21	.131	.13
345658CJ	640440-7	7	22	Red	.25	.152	.151
345666CJ	640440-8	8	22	Red	.28	.174	.166
345674CJ	640440-9	9	22	Red	.53	.371	.232
345682CJ	1-640440-0	10	22	Red	.35	.218	.184
345738CJ	640441-6	6	24	White ✳	.131	.13	
345746CJ	640441-7	7	24	White	.25	.152	.142
345754CJ	640441-8	8	24	White	.20	.174	.158
345762CJ	640441-9	9	24	White	.72	.622	.545
345771CJ	1-640441-0	10	24	White	.26	.218	.217

With Polarizing Tabs

Part No.	Product No.	Pos.	AWG	Color	1	10	100
345965CJ	643813-2	2	22	Red ✳	$.057	$.056	
345973CJ	643813-3	3	22	Red ✳	.07	.069	
345981CJ	643813-4	4	22	Red ✳	.123	.104	
345990CJ	643813-5	5	22	Red	.20	.157	.142
346001CJ	643813-6	6	22	Red	.21	.174	.128
346010CJ	643813-7	7	22	Red	.25	.196	.178
346028CJ	643813-8	8	22	Red	.25	.19	.168
346036CJ	643813-9	9	22	Red	.72	.57	.54
346044CJ	1-643813-0	10	22	Red	.34	.253	.24
346087CJ	643814-5	5	24	White	.20	.157	.142
346095CJ	643814-6	6	24	White	.21	.168	.153
346108CJ	643814-7	7	24	White	.25	.196	.179
346116CJ	643814-8	8	24	White	.28	.223	.203
346132CJ	1-643814-0	10	24	White	.35	.28	.254

T-Handle Tool

- For .100" (2.54mm) IDC connectors

NEW



Part No.	Cross Ref No.	Description	Price
365974CJ	59803-1	.100" hand tool	$20.89

Feed-Thru Style

Without Polarizing Tabs

✳ Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Pos.	AWG	Color	1	10	100
346327CJ	640620-2	2	22	Red ✳	$.082	$.081	
346335CJ	640620-3	3	22	Red ✳	.089	.088	
346343CJ	640620-4	4	22	Red ✳	.096	.095	
346351CJ	640620-5	5	22	Red ✳	.122	.104	
346360CJ	640620-6	6	22	Red ✳	.131	.13	
346378CJ	640620-7	7	22	Red	.20	.152	.144
346386CJ	640620-8	8	22	Red	.20	.174	.152
346394CJ	640620-9	9	22	Red	.57	.56	.55
346407CJ	1-640620-0	10	22	Red	.29	.218	.20
346423CJ	640621-3	3	24	White ✳	.087	.083	
346431CJ	640621-4	4	24	White ✳	.096	.092	
346440CJ	640621-5	5	24	White ✳	.102	.098	
346458CJ	640621-6	6	24	White ✳	.131	.128	
346466CJ	640621-7	7	24	White	.20	.152	.148
346474CJ	640621-8	8	24	White	.23	.174	.168
346482CJ	640621-9	9	24	White	1.09	1.05	.99
346491CJ	1-640621-0	10	24	White	.29	.218	.217

With Polarizing Tabs

Part No.	Product No.	Pos.	AWG	Color	1	10	100
346685CJ	644540-2	2	22	Red ✳	$.104	$.095	
346693CJ	644540-3	3	22	Red ✳	.116	.106	
346706CJ	644540-4	4	22	Red ✳	.123	.112	
346714CJ	644540-5	5	22	Red	.20	.157	.142
346722CJ	644540-6	6	22	Red	.21	.168	.153
346731CJ	644540-7	7	22	Red	.25	.243	.178
346749CJ	644540-8	8	22	Red	.28	.276	.203
346765CJ	1-644540-0	10	22	Red	.35	.347	.255
346773CJ	644563-2	2	24	White ✳	.101	.092	
346781CJ	644563-3	3	24	White ✳	.11	.10	
346790CJ	644563-4	4	24	White ✳	.123	.112	
346811CJ	644563-6	6	24	White	.21	.168	.153
346829CJ	644563-7	7	24	White	.25	.196	.178
346837CJ	644563-8	8	24	White	.28	.223	.203
346853CJ	1-644563-0	10	24	White	.35	.28	.255

.100" (2.54mm) Strain Relief Covers



326051CJ (Fig. 1)



326123CJ (Fig. 2)

Closed-End Style

NEW

A Jameco EXCLUSIVE

Part No.	Product No.	Fig.	Pos.	1	10	100
326019CJ	643075-2	1	2	$.24	$.142	$.139
326027CJ	643075-3	1	3	.34	.237	.152
326035CJ	643075-4	1	4	.25	.153	.144
326043CJ	643075-5	1	5	.25	.198	.159
326051CJ	643075-6	1	6	.20	.15	.104
326060CJ	643075-7	1	7	.59	.521	.472
326078CJ	643075-8	1	8	.39	.269	.176
326086CJ	643075-9	1	9	.59	.521	.448
326094CJ	1-643075-0	1	10	.36	.261	.16

Feed-Thru Style

✳ Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Fig.	Pos.	1	10	100
326107CJ	643077-2	2	2	$.35	$.285	$.26
326115CJ	643077-3	2	3 ✳	.097	.088	
326123CJ	643077-4	2	4	.31	.274	.248
326131CJ	643077-5	2	5	.39	.351	.319
326140CJ	643077-6	2	6	.43	.373	.338
326158CJ	643077-7	2	7	.45	.398	.36
326166CJ	643077-8	2	8	.50	.442	.40
326174CJ	643077-9	2	9	.57	.514	.496
326182CJ	1-643077-0	2	10	.57	.514	.496

JAMECO ValuePro — A Jameco EXCLUSIVE

.118" (3.0mm) Single and Dual Row Micro-Fit Connectors

NEW

Molex Micro-Fit 3.0™ Series Value Equivalents



338386CJ (Fig. 1) | 338335CJ (Fig. 2) | 338343CJ (Fig. 3) | 337682CJ (Fig. 4) | 337607CJ (Fig. 5) | 337615CJ (Fig. 6) | 338520CJ (Fig. 7) | 338044CJ (Fig. 8) | 338079CJ (Fig. 9)

Single Row Crimp Housing

- Positive latching to mating headers or plugs
- Fully isolated contacts • Wire to wire
- Integral pull tabs for ease in unmating
- Receptacle mates with 43640 and 43650 series

Receptacles (Fig. 1)

Part No.	Product No.	Positions	1	10	100
338351CJ	43645-0200	2	$.20	$.166	$.152
338360CJ	43645-0300	3	.20	.174	.168
338378CJ	43645-0400	4	.21	.19	.184
338634CJ	43645-0500	5	.23	.213	.20
338386CJ	43645-0600	6	.26	.229	.216

Plugs – Panel Mount (Fig. 2)

Part No.	Product No.	Positions	1	10	100
338255CJ	43640-0200	2	$.20	$.166	$.152
338271CJ	43640-0300	3	.23	.205	.20
338298CJ	43640-0400	4	.32	.307	.276
338319CJ	43640-0500	5	.35	.33	.303
338335CJ	43640-0600	6	.38	.368	.323

Plugs – Free Hanging (Fig. 3)

Part No.	Product No.	Positions	1	10	100
338263CJ	43640-0201	2	$.20	$.166	$.152
338280CJ	43640-0301	3	.20	.174	.168
338301CJ	43640-0401	4	.21	.19	.184
338327CJ	43640-0501	5	.50	.449	.303
338343CJ	43640-0601	6	.34	.332	.248

Double Row Crimp Housing

- Fully isolated contacts
- Wire to wire
- Housing: UL94V-0
- Fully polarized
- Voltage/current rating: 250V @ 5.0A (max.)
- Mates with 43020 and 43045 series
- Contact resistance: 10mΩ (max.)
- Contacts: tin or 30µ" gold plating over phosphor bronze

Receptacles (Fig. 4)

Part No.	Product No.	Positions	1	10	100
337666CJ	43025-0200	2	$.20	$.174	$.144
337674CJ	43025-0400	4	.23	.213	.192
337682CJ	43025-0600	6	.28	.253	.232
337691CJ	43025-0800	8	.33	.292	.264
337703CJ	43025-1000	10	.36	.332	.272
337711CJ	43025-1200	12	.45	.403	.368
337842CJ	43025-1600	16	.52	.443	.384
337851CJ	43025-1800	18	.71	.648	.544
337869CJ	43025-2000	20	.95	.856	.705
337877CJ	43025-2400	24	.82	.784	.68

Plugs – Panel Mount (Fig. 5)

Part No.	Product No.	Positions	1	10	100
337586CJ	43020-0200	2	$.21	$.182	$.152
337594CJ	43020-0400	4	.23	.213	.184
337607CJ	43020-0600	6	.29	.261	.24
337623CJ	43020-0800	8	.35	.261	.224
337640CJ	43020-1000	10	.40	.356	.328
337826CJ	43020-1200	12	.45	.403	.368
337834CJ	43025-1400	14	.49	.442	.36

Double Row Crimp Housing (Continued)

Plugs – Free Hanging (Fig. 6)

Part No.	Product No.	Positions	1	10	100
337800CJ	43020-0201	2	$.21	$.182	$.168
337818CJ	43020-0401	4	.29	.253	.194
337615CJ	43020-0601	6	.31	.237	.20
337631CJ	43020-0801	8	.40	.363	.304
337658CJ	43020-1001	10	.46	.419	.336

Single Row PCB Headers

- Snap-in peg locks header to PCB for retention
- Surface mount compatible
- Fully polarized to mating receptacle
- Mates with 43645 series
- Wire to board

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 7)

Part No.	Product No.	Positions	1	10	100
338394CJ	43650-0200	2	$.39	$.332	$.296
338431CJ	43650-0300	3	.41	.379	.344
338466CJ	43650-0400	4	.43	.395	.36
338491CJ	43650-0500	5	1.15	1.08	.838
338520CJ	43650-0600	6	.99	.80	.729

Right Angle w/ Snap-In Plastic Peg – 15µ" gold (Fig. 7)

Part No.	Product No.	Positions	1	10	100
338407CJ	43650-0201	2	$.61	$.561	$.512
338642CJ	43650-0301	3	1.09	1.03	.791
338651CJ	43650-0401	4	1.25	1.17	.911

Double Row PCB Headers

- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 8)

Part No.	Product No.	Positions	1	10	100
337885CJ	43045-0200	2	$.35	$.316	$.264
337965CJ	43045-0400	4	.51	.443	.40
338044CJ	43045-0600	6	.55	.514	.456
338554CJ	43045-0800	8	.70	.616	.56
338562CJ	43045-1000	10	.78	.719	.656
338212CJ	43045-1200	12	.89	.84	.77
338571CJ	43045-1400	14	1.09	.99	.912
338597CJ	43045-1600	16	1.25	1.15	1.04
338600CJ	43045-2000	20	1.39	1.30	1.20

Right Angle w/ Snap-In Plastic Peg – Gold (Fig. 8)

Part No.	Product No.	Positions	1	10	100
337893CJ	43045-0202	2	$.51	$.458	$.416
337973CJ	43045-0402	4	.67	.632	.568
338052CJ	43045-0602	6	.99	.88	.794
338116CJ	43045-0802	8	1.05	1.00	.899
338167CJ	43045-1002	10	1.25	1.14	1.04
338221CJ	43045-1202	12	1.39	1.32	1.19
338589CJ	43045-1402	14	1.59	1.46	1.36
338618CJ	43045-2202	22	2.39	2.17	2.08
338626CJ	43045-2402	24	6.09	5.84	4.47

Double Row PCB Headers (Continued)

Vertical Thru Hole – Tin (Fig. 9)

Part No.	Product No.	Positions	1	10	100
337922CJ	43045-0212	2	$.59	$.561	$.408
338001CJ	43045-0412	4	.39	.332	.304
338079CJ	43045-0612	6	.47	.419	.376
338132CJ	43045-0812	8	.70	.632	.576
338175CJ	43045-1012	10	.65	.593	.56
338239CJ	43045-1212	12	.82	.735	.664

Vertical Thru Hole – Gold (Fig. 9)

Part No.	Product No.	Positions	1	10	100
337931CJ	43045-0214	2	$.49	$.451	$.408
338010CJ	43045-0414	4	.59	.514	.48
338087CJ	43045-0614	6	.79	.72	.656
338141CJ	43045-0814	8	.99	.888	.81
338183CJ	43045-1014	10	2.25	2.05	1.75
338247CJ	43045-1214	12	1.39	1.30	1.22

Female & Male Contacts

Type*:
1: female
2: male
A: tin plating over phosphor bronze
B: 30µ" select gold over nickel over phosphor bronze



Female (1B) | Male (2A)

✳ Prepackaged: order in increments of 10 or 100

Part No.	Product No.	AWG	Type*	1	10	100
337720CJ	43030-0007	20-24	1A	✳	$.094	$.072
337738CJ	43030-0009	26-30	1B	.20	.182	.16
337746CJ	43030-0010	20-24	1A	✳	.096	.081
337754CJ	43030-0012	26-30	1B	.20	.174	.16
337762CJ	43031-0007	20-24	2A	✳	.087	.064
337771CJ	43031-0009	26-30	2B	✳	.135	.104
337789CJ	43031-0010	20-24	2A	✳	.085	.072
337797CJ	43031-0012	26-30	2B	✳	.134	.12

Extraction Tool



- Length: 3.0"

Part No.	Product No.	1	5
338669CJ	11-03-0043	$14.99	$11.49

Crimp Tool



- Length: 8.25"

Part No.	Product No.	1	5	10
338677CJ	11-03-0043	$24.99	$22.99	$19.99

Save Big! Special Values!

New Products = Pink
New Lower Prices = Orange
Sale Priced Items = Yellow

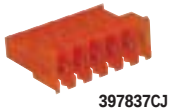
.156" (3.96mm) IDC Connectors

AMP MTA-156 Series Value Equivalents

NEW


397474CJ (Fig. 1)


397749CJ (Fig. 2)


397837CJ (Fig. 3)


398101CJ (Fig. 4)

Closed-End Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 1)

• Orange • AWG: 18

✳ **Prepackaged: order in increments of 10, 100, 1000**

Part No.	Cross Ref. No.	Positions	1	10	100
397431CJ	640426-2	2	✳	$.103	$.08
397440CJ	640426-3	3	.20	.167	.151
397458CJ	640426-4	4	.21	.158	.142
397466CJ	640426-5	5	.26	.205	.144
397474CJ	640426-6	6	.20	.139	.134

• Yellow • AWG: 20

Part No.	Cross Ref. No.	Positions	1	10	100
397520CJ	640427-2	2	✳	$.117	$.105
397538CJ	640427-3	3	✳	.139	.12
397546CJ	640427-4	4	.20	.166	.128
397554CJ	640427-5	5	.63	.491	.44
397562CJ	640427-6	6	.21	.154	.138

With Locking Ramp and Polarizing Tabs (Fig. 2)

• Orange • AWG: 18

Part No.	Cross Ref. No.	Positions	1	10	100
397618CJ	643817-2	2	✳	$.126	$.12
397626CJ	643817-3	3	✳	.138	.133
397634CJ	643817-4	4	✳	.126	.12
397642CJ	643817-5	5	.37	.294	.277
397651CJ	643817-6	6	.20	.15	.144

• Yellow • AWG: 20

Part No.	Cross Ref. No.	Positions	1	10	100
397706CJ	643818-2	2	✳	$.117	$.105
397714CJ	643818-3	3	.20	.18	.168
397722CJ	643818-4	4	.20	.181	.16
397731CJ	643818-5	5	.45	.367	.333
397749CJ	643818-6	6	.20	.139	.134

Strain Relief Covers for Closed-End Style

Part No.	Cross Ref. No.	Positions	1	10	100
398696CJ	643067-2	2	$.20	$.16	$.14
398709CJ	643067-3	3	.31	.235	.161
398717CJ	643067-4	4	.33	.256	.17
398725CJ	643067-5	5	.67	.616	.508
398733CJ	643067-6	6	.34	.261	.192

Feed-Thru Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 3)

• Orange • AWG: 18

✳ **Prepackaged: order in increments of 10, 100, 1000**

Part No.	Cross Ref. No.	Positions	1	10	100
397790CJ	640599-2	2	✳	$.117	$.105
397802CJ	640599-3	3	✳	.10	.09
397811CJ	640599-4	4	.21	.158	.136
397829CJ	640599-5	5	.41	.308	.232
397837CJ	640599-6	6	.20	.188	.187

• Yellow • AWG: 20

Part No.	Cross Ref. No.	Positions	1	10	100
397888CJ	640600-2	2	$.40	$.39	$.38
397896CJ	640600-3	3	✳	.149	.138
397909CJ	640600-4	4	✳	.16	.155
397917CJ	640600-5	5	.29	.269	.256
397925CJ	640600-6	6	.21	.199	.196

With Locking Ramp and Polarizing Tabs (Fig. 4)

• Orange • AWG: 18

Part No.	Cross Ref. No.	Positions	1	10	100
397976CJ	644465-2	2	✳	$.087	$.078
397984CJ	644465-3	3	✳	.10	.09
397992CJ	644465-4	4	✳	.158	.152
398004CJ	644465-5	5	.29	.216	.194
398012CJ	644465-6	6	.20	.139	.132

• Yellow • AWG: 20

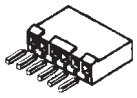
Part No.	Cross Ref. No.	Positions	1	10	100
398063CJ	644466-2	2	✳	$.087	$.078
398071CJ	644466-3	3	✳	.101	.09
398080CJ	644466-4	4	✳	.112	.101
398098CJ	644466-5	5	.29	.216	.194
398101CJ	644466-6	6	.20	.139	.134

Strain Relief Covers for Feed-Thru Style

Part No.	Cross Ref. No.	Positions	1	10	100
398602CJ	643071-2	2	$.20	$.164	$.148
398611CJ	643071-3	3	.27	.245	.223
398629CJ	643071-4	4	.37	.327	.296
398637CJ	643071-5	5	.49	.45	.432
398645CJ	643071-6	6	.49	.396	.36

.156" (3.9mm) Center Housing Connectors

- Common to many power supplies carried by Jameco. Some power supplies (pgs 161-163) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use with crimp pins, 78318CJ, below

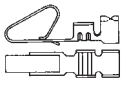


104731CJ

✳ **Prepackaged: order in increments of 10, 100, 1000**

Part No.	Cross Ref. No.	Pins	1	10	100	1000
176743CJ	LCH2	2	✳	$.07	$.045	$.04
104432CJ	LCH3	3	✳	.19	.12	.11
104715CJ	LCH4	4	✳	.22	.15	.12
104723CJ	LCH5	5	.24	.22	.16	.12
104731CJ	LCH6	6	.33	.30	.24	.15
104766CJ	LCH10	10	.39	.32	.28	.23

.156" (3.9mm) Center Crimp Pin



- Pin wire gauge: 18-24 AWG
- Material: brass/tin plated
- Use with .156 housings (above)

Prepackaged: order in increments of 10, 100, 1000

Part No.	Mfr. Cross Ref. No.	10	100	1000
78318CJ	JS-5001-T	$.11	$.08	$.07

.156" Female Crimp Pins



- Pin wire gauge: 18-22 AWG
- Material: tin-plated brass
- Use 99442CJ crimping tool, pg 242

SALE

Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	10	100	1000
154093CJ	LRPIN	$.061	$.05	$.035

T-Handle Tool

NEW



- For .156" IDC connectors

Part No.	Cross Ref. No.	Description	Price
404540CJ	59804-1	0.156" hand tool	$20.89

.156" Center Housing Connectors & Crimp Contact

- Mating connectors for Mean Well LPS and LPP series power supplies (pgs 164-165)
- Current rating: 10A AC/DC
- Voltage rating: 250V AC/DC


215950CJ

227416CJ:
- Material: brass
- Finish: tin-plated • 18-22 AWG


227416CJ

Part No.	Description	1	10	100	1000
215950CJ	5 pos. housing	$.35	$.32	$.28	$.26
215976CJ	8 pos. housing	.39	.35	.32	.28
215968CJ	12 pos. housing	.49	.44	.39	.35
227416CJ	Crimp contact	.32	.29	.26	.22

.156" (3.9mm) Center Straight-Friction Lock Headers

- Voltage rating: 250VAC/VDC max.
- Current rating: 7 amps AC/DC
- Contact resistance: 20mΩ
- Temperature range: -25°C to +85°C
- Header material: pin - brass/tin-plated
- Base: nylon 66, UL94V-2


104811CJ

✳ **Prepackaged: order in increments of 10, 100, 1000**

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104791CJ	LMH4	4	✳	$.11	$.09	$.07
104803CJ	LMH5	5	✳	.13	.11	.09
104811CJ	LMH6	6	✳	.15	.12	.10
104846CJ	LMH10	10	.22	.20	.16	.12

Other Manufacturers — Great Deals

235491CJ	8673-12-5	12	$.35	$.32	$.25	$.23

Making Great Connectors Even Better!



Do you know how to make these premium-quality connectors even better? Too often, prototypers use pliers or an incorrect crimper to fasten wire to pin. When the plier tips are too wide, pin shapes become distorted. Even a slight distortion can prevent the pin from seating in the connector properly, which leads to poor connections. An improper crimper can either under-crimp, leading to future wire separation; or over-crimp, leading to fatigued pins that eventually break apart.

Be sure you use the right crimper for the job. For instance, be sure to use P / N 99442CJ on page 242 for the crimp pins on this page. Then you can be assured the quality of your work will be as great as the quality of the connectors.

Practical Practices
Money Saving Tips for the Engineer

AMP .156" (3.96mm) Male Headers

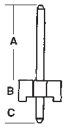
For Even More Amp Relays Visit www.Jameco.com/Amp

- Voltage and current rating: 600VAC @ 7.0A
- Contact material/plating: copper alloy/tin
- UL94V-0 flammability rating
- .045" square posts
- Insulator material: polyester
- Solder tail material/plating: copper alloy/tin

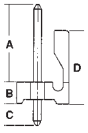

231491CJ


231571CJ

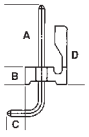

232418CJ



Straight Header



Straight Friction Lock



Right Angle Friction Lock

Straight Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

✳**Prepackaged: order in increments of 10 or 100**

Part No.	Product No.	Positions	1	10	100
231546CJ	640445-2	2	✳	$.07	$.06
231554CJ	640445-3	3	✳	.075	.065
231562CJ	640445-4	4	✳	.10	.08
231571CJ	640445-5	5	✳	.14	.10
231589CJ	640445-6	6	✳	.17	.13
231597CJ	640445-7	7	✳	.18	.15
231600CJ	640445-8	8	✳	.23	.17
231626CJ	1-640445-0	10	.31	.24	.20

Straight Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"

Part No.	Product No.	Positions	1	10	100
231458CJ	640383-2	2	$.23	$.20	$.17
231466CJ	640383-3	3	.26	.23	.20
231474CJ	640383-4	4	.29	.26	.22
231482CJ	640383-5	5	.37	.33	.27
231491CJ	640383-6	6	.40	.36	.32
231503CJ	640383-7	7	.47	.42	.34
231511CJ	640383-8	8	.55	.46	.39
231520CJ	640383-9	9	.60	.53	.45
231538CJ	1-640383-0	10	.65	.58	.49

Right Angle Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

Part No.	Product No.	Positions	1	10	100
232362CJ	640389-2	2	$.29	$.26	$.23
232371CJ	640389-3	3	.44	.39	.34
232389CJ	640389-4	4	.59	.52	.46
232397CJ	640389-5	5	.74	.65	.57
232400CJ	640389-6	6	.80	.71	.62
232418CJ	640389-7	7	.93	.83	.73
232426CJ	640389-8	8	1.06	.94	.83
232434CJ	640389-9	9	1.19	1.06	.92
232442CJ	1-640389-0	10	1.33	1.18	.98

AMP .156" (3.96mm) Female Housing

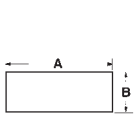
- Voltage and current rating: 250VAC @ 6.5A maximum
- Material: nylon, unreinforced 94V-0
- Dielectric withstanding voltage: 2kVAC
- Insulation resistance: 1,000MΩ minimum
- Hole diameter: .054" (1.37mm)


236259CJ

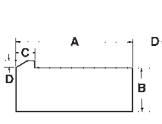

236161CJ


236347CJ

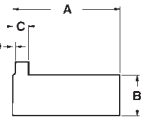
Side View



Without Locking Ramp



With Locking Ramp



With Locking Ramp & Polarizing Tabs

With Locking Ramp

- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .0365"

✳**Prepackaged: order in increments of 10 or 100**

Part No.	Product No.	Positions	1	10	100
236144CJ	640250-2	2	✳	$.152	$.134
236152CJ	640250-3	3	✳	.086	.076
236161CJ	640250-4	4	✳	.162	.15
236179CJ	640250-5	5	.20	.138	.105
236187CJ	640250-6	6	.21	.15	.112
236195CJ	640250-7	7	.24	.15	.118
236208CJ	640250-8	8	.22	.155	.149
236216CJ	640250-9	9	.45	.419	.337
236224CJ	1-640250-0	10	.51	.466	.349

Without Locking Ramp

- Dimensions: (A) .660"; (B) .250"

✳**Prepackaged: order in increments of 10 or 100**

Part No.	Product No.	Positions	1	10	100
236232CJ	640251-2	2	✳	$.096	$.095
236241CJ	640251-3	3	.20	.14	.08
236259CJ	640251-4	4	.29	.186	.107
236267CJ	640251-5	5	✳	.114	.106
236275CJ	640251-6	6	.25	.23	.19
236283CJ	640251-7	7	.42	.326	.213
236291CJ	640251-8	8	.45	.373	.243
236304CJ	640251-9	9	.46	.419	.337
236312CJ	1-640251-0	10	.27	.25	.243

With Locking Ramp and Polarizing Tabs

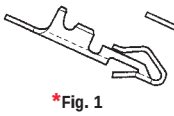
- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .019" ±.003"

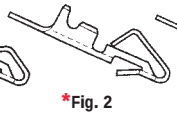
✳**Prepackaged: order in increments of 10 or 100**

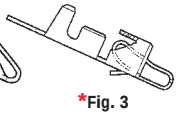
Part No.	Product No.	Positions	1	10	100
236321CJ	770849-2	2	✳	$.114	$.105
236339CJ	770849-3	3	.22	.14	.08
236347CJ	770849-4	4	.20	.173	.15
236355CJ	770849-5	5	✳	.171	.154
236363CJ	770849-6	6	.30	.28	.182
236371CJ	770849-7	7	.36	.326	.213
236380CJ	770849-8	8	.39	.365	.30
236398CJ	770849-9	9	.46	.39	.19
236401CJ	1-770849-0	10	.31	.307	.291

AMP .156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Dielectric withstanding voltage: 2000VAC/1 min.
- Insulation resistance: 1000MΩ minimum
- Compatible with .045" square or round posts
- Material and finish:
  - ***A:** brass, 0.012" bright tin plated
  - ***B:** brass, 0.012" pre-tin plated
  - ***C:** brass, 0.000030" gold over nickel plated
  - ***D:** phosphor bronze, 0.012" bright tin plated
  - ***E:** phosphor bronze, 0.00003" gold over nickel plated
- For use with .156" AMP housings (bottom left)
- **Prepackaged: order in increments of 10, 100 or 500**


*Fig. 1 (High-Force)


*Fig. 2 (Low-Force)


*Fig. 3 (Hooded – Dual Wipe)

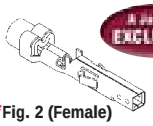
Part No.	Product No.	Desc.*	AWG	10	100	500
248866CJ	640706-1	1A	18-24	$.171	$.155	$.145
248874CJ	640706-2	1B	18-24	.152	.14	.13
248882CJ	640707-1	2A	18-24	.20	.175	.119
248891CJ	770258-1	2C	18-24	.39	.35	.32
248903CJ	770522-1	3D	18-24	.19	.138	.123
248911CJ	770258-2	3E	18-24	.30	.27	.23

JAMECO ValuePro .165" (4.2mm) Mini-Fit Jr. Contacts

NEW

A Jameco EXCLUSIVE


*Fig. 1 (Male)


*Fig. 2 (Female)

- Type*: A: Tin over nickel over brass
  B: 15µ" gold over nickel over brass
  C: 30µ" gold over nickel over brass
  D: Tin over nickel over phosphor bronze
  E: 15µ" gold over nickel over phosphor bronze
  F: 30µ" gold over nickel over phosphor bronze

✳**Prepackaged: order in increments of 10 or 100**

Part No.	Cross Ref. No.	AWG	Type*	1	10	100
365747CJ	39-00-0054	18-24	1C	$.48	$.356	$.258
401859CJ	39-00-0076	18-24	1B	✳	.23	.228
365798CJ	39-00-0088	22-28	1C	.30	.296	.295
365704CJ	39-00-0096	16	1C	.30	.296	.293
401841CJ	39-00-0098	22-28	1B	.31	.308	.304
401867CJ	39-00-0099	16	1B	✳	.15	.136
401824CJ	39-00-0121	18-24	1A	✳	.062	.044
401816CJ	39-00-0123	22-28	1A	✳	.075	.056
401832CJ	39-00-0125	16	1A	✳	.076	.075
401752CJ	39-00-0126	22-28	2D	✳	.056	.041
365886CJ	39-00-0164	18-24	2C	.31	.30	.288
365915CJ	39-00-0166	22-28	2C	.31	.30	.288
365835CJ	39-00-0168	16	2C	.36	.308	.292
401736CJ	39-00-0170	18-24	2B	.32	.315	.304
401728CJ	39-00-0172	22-28	2B	.31	.30	.288
401744CJ	39-00-0174	16	2B	.35	.32	.304
365851CJ	39-00-0182	18-24	2F	.38	.371	.36
365907CJ	39-00-0184	22-28	2F	.38	.371	.36
365827CJ	39-00-0186	16	2F	.38	.371	.36
401795CJ	39-00-0195	18-24	2E	.32	.315	.304
401787CJ	39-00-0197	22-28	2E	.38	.365	.36
401808CJ	39-00-0199	16	2E	.35	.32	.304
401701CJ	39-00-0208	18-24	2A	✳	.063	.048
401699CJ	39-00-0210	22-28	2A	✳	.056	.041
401710CJ	39-00-0212	16	2A	✳	.126	.118
401761CJ	39-00-0214	18-24	2D	✳	.076	.055
401779CJ	39-00-0218	16	2D	✳	.119	.104

0.165" (4.2mm) Connectors Molex Mini-Fit Jr. Value Equivalents

NEW

- Low profile design to accommodate height constraints
- Fully isolated terminals to protect contacts from damage
- Contact resistance: 10mΩ
- Voltage: 600V
- UL rating: 94V-2
- Positive locking housings
- Temp.: -40˚C to +150˚C
- Ptich: 0.165" (4.2mm)
- Current: up to 9A
- Housing: 6/6 Nylon

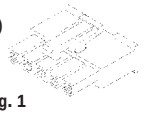

Fig. 1


Fig. 2

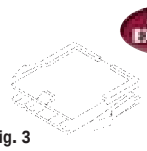
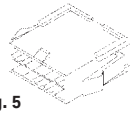


Fig. 3


Fig. 4


Fig. 5

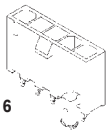
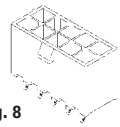
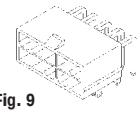
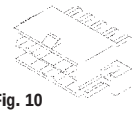

Fig. 6


Fig.7


Fig. 8


Fig. 9


Fig. 10

5557 Series Connector Equivalents

Receptacle Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364584CJ	39-01-4030	1	3 ...	$.20	$.147	$.124
364592CJ	39-01-4040	1	4	.33	.267	.226
364605CJ	39-01-4050	1	5	.33	.265	.223

Receptacle Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736CJ	39-01-2020	2	2 ...	$.27	$.24	$.162
364744CJ	39-01-2040	2	4	.20	.176	.119
364752CJ	39-01-2060	2	6	.38	.34	.23
364761CJ	39-01-2080	2	8	.43	.371	.258
364779CJ	39-01-2100	2	10	.42	.374	.252
364787CJ	39-01-2120	2	12	.47	.421	.283
364795CJ	39-01-2140	2	14	.57	.51	.343
364808CJ	39-01-2160	2	16	.59	.522	.351
364824CJ	29-01-2200	2	20	.75	.666	.448
364832CJ	39-01-2220	2	22	.99	.912	.611
364841CJ	39-01-2240	2	24	.84	.744	.502

5559 Series Connector Equivalents

Plugs - Panel Mount w/ Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364613CJ	39-01-4032	3	3 ...	$.24	$.195	$.165
364621CJ	39-01-4052	3	5	.32	.258	.218

Plugs - Panel Mount w/ Ears, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364859CJ	39-01-2021	6	2 ...	$.27	$.242	$.162
364867CJ	39-01-2041	6	4	.39	.363	.24
364875CJ	39-01-2061	6	6	.43	.371	.248
364883CJ	39-01-2081	6	8	.35	.312	.21
364891CJ	39-01-2101	6	10	.42	.374	.252
364904CJ	39-01-2121	6	12	.43	.382	.257
364912CJ	39-01-2141	6	14	.59	.435	.336
364921CJ	39-01-2161	6	16	.62	.506	.44

Plugs - Free Hanging w/o Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364630CJ	39-01-4036	4	3 ...	$.31	$.254	$.214
364648CJ	39-01-4046	4	4	.24	.196	.166
364656CJ	39-01-4056	4	5	.27	.22	.186

5566 Series PCB Header Equivalents

Vertical Single Row w/ Pegs & Drain Holes – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364672CJ	39-30-2035	5	3 ...	$.75	$.466	$.378
364681CJ	39-30-2045	5	4	.89	.55	.445
364699CJ	39-30-2056	5	5 ...	1.25	.751	.607

For crimp tool see page 108.



5566 Series PCB Header Equivalents (Con't)

Vertical Dual Row w/o Pegs w/o Drain Holes – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364939CJ	39-28-1023	8	2 ...	$.60	$.516	$.36
364947CJ	39-28-1043	8	4	.77	.672	.464
364955CJ	39-28-1063	8	6 ...	1.05	.877	.632
364963CJ	39-28-1083	8	8 ...	1.19	.99	.737
364971CJ	39-28-1103	8	10 ..	1.39	1.24	.818
364980CJ	39-28-1123	8	12 ..	1.49	1.29	.915
364998CJ	39-28-1143	8	14 ..	1.89	1.71	1.22
365000CJ	39-28-1163	8	16 ..	2.09	1.89	1.35
365018CJ	39-28-1183	8	18 ..	2.39	2.15	1.46
365026CJ	39-28-1203	8	20 ..	2.85	2.48	1.72
365034CJ	39-28-1223	8	22 ..	1.09	.96	.923
365042CJ	39-28-1243	8	24 ..	3.19	2.66	1.92

Vertical Dual Row w/o Pegs w/o Drain Holes – Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365051CJ	39-29-0023	8	2 ..	$.74	$.577	$.496
365069CJ	39-29-0043	8	4 ...	1.19	1.15	.904
365077CJ	39-29-0063	8	6 ...	1.39	1.19	.944
365085CJ	39-29-0103	8	8 ...	2.19	2.15	2.14
365093CJ	39-29-0123	8	10 ...	2.19	1.84	1.49
365106CJ	39-29-0143	8	12 ..	3.19	3.15	3.14
365114CJ	39-29-0163	8	14 ..	3.75	3.71	3.69
365122CJ	39-29-0163	8	16 ..	4.19	4.15	4.09
365131CJ	39-29-0183	8	18 ..	4.69	4.65	4.63
365149CJ	39-29-0203	8	20 ..	5.29	5.25	5.19
365157CJ	39-29-0223	8	22 ..	5.85	5.83	5.82
365165CJ	39-29-0243	8	24 ..	6.29	6.23	6.12

5569 Series PCB Header Equivalents

Right Angle Single Row w/ Pegs – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364701CJ	39-30-3035	7	3 ...	$.85	$.502	$.406
364710CJ	39-30-3045	7	4	.79	.476	.386
364728CJ	39-30-3055	7	5	.99	.614	.496

Right Angle Dual Row w/ Pegs – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365173CJ	39-30-1020	9	2 ...	$.53	$.476	$.322
365181CJ	39-30-1040	9	4	.55	.419	.284
365190CJ	39-30-1060	9	6	.69	.521	.352
365202CJ	39-30-1080	9	8	.72	.616	.416
365211CJ	39-30-1100	9	10	.99	.758	.512
365229CJ	39-30-1120	9	12 ..	1.19	.90	.608
365237CJ	39-30-1140	9	14 ..	1.15	.99	.689
365245CJ	39-30-1160	9	16 ..	1.55	1.19	.81
365253CJ	39-30-1180	9	18 ..	1.39	1.16	.948
365261CJ	39-30-1200	9	20 ..	1.49	1.28	1.14
365270CJ	39-30-1220	9	22 ..	2.05	1.98	1.90
365288CJ	39-30-1240	9	24 ..	2.19	1.99	1.91

5569 Series PCB Header Equivalents (Con't)

Right Angle Dual Row w/ Pegs – Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365325CJ	39-30-1021	9	2	$1.39	$1.25	$.84
365333CJ	39-30-1041	9	4	.95	.94	.928
365341CJ	39-30-1061	9	6 ...	1.09	.995	.952
365350CJ	39-30-1081	9	8 ...	1.49	1.45	1.43
365368CJ	39-30-1101	9	10 ..	1.69	1.62	1.54
365376CJ	39-30-1121	9	12 ..	2.05	1.79	1.72
365384CJ	39-30-1141	9	14 ..	2.45	2.41	2.39
365392CJ	39-30-1161	9	16 ..	2.85	2.79	2.76
365405CJ	39-30-1181	9	18 ..	3.25	2.96	2.90
365413CJ	39-30-1201	9	20 ..	3.49	3.29	3.09
365421CJ	39-30-1221	9	22 ..	4.25	4.22	4.15
365430CJ	39-30-1241	9	24 ..	4.75	4.73	4.68

Right Angle - Dual Row w/ Flanges – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365448CJ	39-29-1028	10	2 ...	$.39	$.348	$.232
365456CJ	39-29-1048	10	4	.49	.435	.296
365464CJ	39-29-1068	10	6	.62	.569	.384
365472CJ	39-29-1088	10	8	.76	.672	.456
365481CJ	39-29-1108	10	10	.91	.837	.568
365499CJ	39-29-1128	10	12 ..	1.05	.94	.64
365501CJ	39-29-1148	10	14 ..	1.15	.97	.80
365510CJ	39-29-1168	10	16 ..	1.49	1.35	.91
365528CJ	39-29-1188	10	18 ..	1.69	1.68	1.67
365536CJ	39-29-1208	10	20 ..	1.79	1.51	1.22
365544CJ	39-29-1228	10	22 ..	3.15	2.80	1.92
365552CJ	39-29-1248	10	24 ..	3.89	3.30	2.34

Right Angle - Dual Row w/ Flanges – Gold

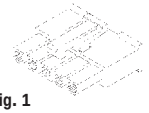
Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365561CJ	39-39-5023	10	2	$1.35	$1.19	$.808
365579CJ	39-29-5043	10	4 ...	1.55	1.37	.928
365587CJ	39-29-5063	10	6 ...	2.25	1.98	1.36
365595CJ	39-29-5083	10	8 ...	2.55	2.28	1.54
365608CJ	39-29-5103	10	10 ..	1.89	1.79	1.76
365616CJ	39-29-5123	10	12 ..	3.39	3.04	2.06
365624CJ	39-29-5143	10	14 ..	3.89	3.71	2.56
365632CJ	39-29-5163	10	16 ..	4.85	4.34	2.94
365641CJ	39-29-5183	10	18 ..	3.45	3.39	3.06
365659CJ	39-29-5203	10	20 ..	3.95	3.89	3.88
365667CJ	39-39-5223	10	22 ..	4.45	4.42	4.36
365675CJ	39-29-5243	10	24 ..	4.99	4.97	4.95

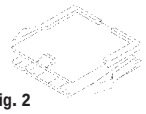
Free Technical Support

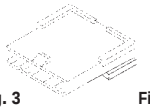
Our knowledgeable Tech Support department is ready to answer your questions.
Just call us! 1-800-831-4242

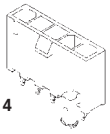
.165" (4.2mm) Mini-Fit Jr. Connectors

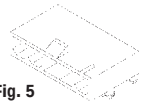
- Use with strain relief or overmold applications
- UL/CSA/TUV approved
- Uses standard Mini-Fit series terminals
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- Housing: 6/6 nylon, UL 94V-2 rated


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

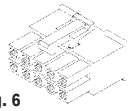
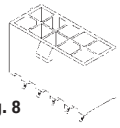
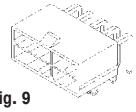
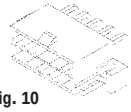
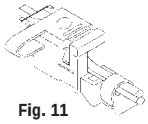

Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11

Single Row Receptacles and Plugs

Receptacles

Part No.	Product No.	Fig.	Positions	1	10	100
303765CJ	39-01-4030	1	3	$.43	$.319	$.203
303773CJ	39-01-4040	1	4	.40	.318	.268
303781CJ	39-01-4050	1	5	.39	.315	.265

Panel Mount Plugs w/ Mounting Ears

303790CJ	39-01-4032	2	3	$.46	$.414	$.276
303829CJ	39-01-4052	2	5	.38	.307	.258

Panel Mount Plugs w/o Mounting Ears

303802CJ	39-01-4036	3	3	$.37	$.302	$.254
303811CJ	39-01-4046	3	4	.49	.404	.295
303837CJ	39-01-4056	3	5	.53	.461	.329

Single Row Headers

- Voltage: 600V
- Contact resistance: 10mΩ max.
- Dieletric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/ Pegs

Part No.	Product No.	Fig.	Positions	1	10	100
304565CJ	39-30-1039	4	3	$.90	$.537	$.433
304573CJ	39-30-2035	4	3	.91	.555	.448
304581CJ	39-30-2045	4	4	1.49	1.24	.884
304590CJ	39-30-2056	4	5	1.55	.903	.721

Right Angle Headers w/ Pegs

304602CJ	39-30-3035	5	3	$1.02	$.603	$.482
304611CJ	39-30-3045	5	4	1.00	.96	.542
304629CJ	39-30-3055	5	5	1.55	1.35	.903

Double Row Receptacles

Part No.	Product No.	Fig.	Positions	1	10	100
303562CJ	39-01-2020	6	2	$.27	$.215	$.162
303571CJ	39-01-2040	6	4	.41	.341	.232
303589CJ	39-01-2060	6	6	.40	.361	.243
303597CJ	39-01-2080	6	8	.45	.406	.274
303600CJ	39-01-2100	6	10	.50	.445	.299
303618CJ	39-01-2120	6	12	.56	.501	.336
303626CJ	39-01-2140	6	14	.69	.612	.411
303634CJ	39-01-2160	6	16	.70	.621	.417
303642CJ	39-01-2180	6	18	.81	.723	.485
303651CJ	39-01-2200	6	20	.89	.792	.532
303669CJ	39-01-2220	6	22	1.20	1.07	.713
303677CJ	39-01-2240	6	24	.99	.876	.589

Double Row Plugs

Panel Mount Plugs w/ Mounting Ears

Part No.	Product No.	Fig.	Positions	1	10	100
303685CJ	39-01-2021	7	2	$.32	$.264	$.193
303693CJ	39-01-2041	7	4	.47	.392	.267
303706CJ	39-01-2061	7	6	.51	.364	.268
303714CJ	39-01-2081	7	8	.42	.371	.25
303722CJ	39-01-2101	7	10	.50	.445	.299
303731CJ	39-01-2121	7	12	.51	.454	.305
303749CJ	39-01-2141	7	14	.70	.517	.399
303757CJ	39-01-2161	7	16	.75	.602	.523

Double Row Headers

- Voltage: 600V • Contact resistance: 10mΩ max.
- Dieletric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/o Pegs – Tin Plated

Part No.	Product No.	Fig.	Positions	1	10	100
303845CJ	39-28-1023	8	2	$.68	$.415	$.344
303853CJ	39-28-1043	8	4	.89	.761	.551
303861CJ	39-28-1063	8	6	1.19	.95	.658
303870CJ	39-28-1083	8	8	1.37	1.19	.827
303888CJ	39-28-1103	8	10	1.65	1.45	.96
303896CJ	39-28-1123	8	12	1.79	1.27	.888
303909CJ	39-28-1143	8	14	2.25	1.98	1.39
303917CJ	39-28-1163	8	16	2.49	2.11	1.46
303925CJ	39-28-1183	8	18	2.89	2.56	1.71
303933CJ	39-28-1203	8	20	3.39	2.95	2.01
303941CJ	39-28-1223	8	22	3.15	2.46	1.68
303950CJ	39-28-1243	8	24	3.79	3.16	2.25

Vertical Headers w/o Pegs – Gold Plated, 30µ"

303968CJ	39-29-0023	8	2	$.88	$.686	$.589
303976CJ	39-29-0043	8	4	2.05	1.81	1.07
303984CJ	39-29-0063	8	6	3.29	2.85	2.00
303992CJ	39-29-0083	8	8	4.45	3.97	2.65
304004CJ	39-29-0103	8	10	5.05	4.47	2.99
304012CJ	39-29-0123	8	12	5.65	5.22	3.49
304021CJ	39-29-0143	8	14	6.85	6.08	4.07
304039CJ	39-29-0163	8	16	7.75	6.87	4.59
304047CJ	39-29-0183	8	18	8.65	7.68	5.14
304055CJ	39-29-0203	8	20	9.15	8.12	5.43
304063CJ	39-29-0223	8	22	10.55	9.30	6.22
304071CJ	39-29-0243	8	24	11.49	10.58	6.76

Right Angle Headers w/ Pegs – Tin Plated

304080CJ	39-30-1020	9	2	$.64	$.566	$.383
304098CJ	39-30-1040	9	4	1.02	.907	.604
304101CJ	39-30-1060	9	6	1.31	.968	.664
304119CJ	39-30-1080	9	8	1.48	1.31	.877
304127CJ	39-30-1100	9	10	1.79	1.05	.864
304135CJ	39-30-1120	9	12	2.49	2.16	1.47
304143CJ	39-30-1140	9	14	2.75	2.38	1.62
304151CJ	39-30-1160	9	16	3.05	2.35	1.70
304160CJ	39-30-1180	9	18	3.39	3.05	2.05
304178CJ	39-30-1200	9	20	3.95	3.49	2.33
304186CJ	39-30-1220	9	22	4.45	3.92	2.61
304194CJ	39-30-1240	9	24	4.95	4.39	2.92

Strain Reliefs

- Voltage: 600V • Current: 9A
- Contact resistance: 10mΩ max.
- Dieletric withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.

Part No.	Product No.	Fig.	Positions	1	10	100
304637CJ	15-04-0296	11	6	$1.04	$1.00	$.95
304645CJ	15-04-0343	11	8	1.14	1.08	.979
304653CJ	15-04-0345	11	12	1.15	1.10	.998

Molex Mini-Fit Jr. Contacts on next page.

Double Row Headers (Continued)

Right Angle Headers w/ Pegs – Gold Plated, 30µ"

Part No.	Product No.	Fig.	Positions	1	10	100
304207CJ	39-30-1021	9	2	$1.69	$1.50	$1.00
304215CJ	39-30-1041	9	4	2.15	1.90	1.26
304223CJ	39-30-1061	9	6	2.65	2.36	1.57
304231CJ	39-30-1081	9	8	3.19	2.85	1.90
304240CJ	39-30-1101	9	10	3.85	3.39	2.26
304258CJ	39-30-1121	9	12	3.29	3.25	2.65
304266CJ	39-30-1141	9	14	5.25	4.67	3.12
304274CJ	39-30-1161	9	16	6.05	5.41	3.60
304282CJ	39-30-1181	9	18	4.55	4.39	3.44
304291CJ	39-30-1201	9	20	7.25	6.47	4.31
304303CJ	39-30-1221	9	22	8.65	7.70	5.13
304311CJ	39-30-1241	9	24	10.15	9.05	6.03

Right Angle Headers w/ Flange – Tin Plated

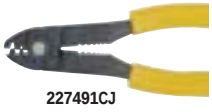
304320CJ	39-29-1028	10	2	$.82	$.685	$.466
304338CJ	39-29-1048	10	4	1.06	.865	.665
304346CJ	39-29-1068	10	6	1.35	1.06	.782
304354CJ	39-29-1088	10	8	1.65	1.26	.876
304362CJ	39-29-1108	10	10	1.85	1.55	1.16
304371CJ	39-29-1128	10	12	2.15	1.81	1.36
304389CJ	39-29-1148	10	14	2.69	2.23	1.63
304397CJ	39-29-1168	10	16	2.69	2.46	1.84
304400CJ	39-29-1188	10	18	3.15	2.82	1.88
304418CJ	39-29-1208	10	20	3.75	3.32	2.21
304426CJ	39-29-1228	10	22	3.85	3.41	2.28
304434CJ	39-29-1248	10	24	4.69	3.97	2.78

Right Angle Headers w/ Flange – Gold Plated, 30µ"

304442CJ	39-29-5023	10	2	$1.65	$1.43	$.96
304451CJ	39-29-5043	10	4	1.85	1.64	1.10
304469CJ	39-29-5063	10	6	2.75	2.38	1.62
304477CJ	39-29-5083	10	8	3.09	2.75	1.83
304485CJ	39-29-5103	10	10	4.09	3.65	2.43
304493CJ	39-29-5123	10	12	4.15	3.66	2.44
304506CJ	39-29-5143	10	14	5.15	4.55	3.04
304514CJ	39-29-5163	10	16	5.89	5.22	3.49
304522CJ	39-29-5183	10	18	6.75	5.99	4.01
304531CJ	39-29-5203	10	20	7.29	6.47	4.32
304549CJ	39-29-5223	10	22	8.65	7.68	5.13
304557CJ	39-29-5243	10	24	8.65	8.18	5.47

Hand Crimp Tools for Mini-Fit Jr. Contacts


308030CJ


227491CJ

308030CJ: Cuts & strips 14-24 AWG wires
227491CJ: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030CJ	W-HT-1919	8.3"L	Red	$14.99	$13.99
227491CJ	W-HT-1921	8.3"L	Yellow	14.99	13.99

.165" (4.2mm) Mini-Fit Jr. Contacts

- Voltage: 600V
- Current: 9A (†12A current rating)
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.
- Material:
  - ***A:** Brass (pre-plated tin over copper)
  - ***B:** Brass or copper (post-plated tin over nickel)
  - ***C:** Brass (post-plated tin over nickel)
  - ***D:** Phosphor bronze (pre-plated gold over nickel)

✳**Prepackaged: order in increments of 10, 100 or 1000**

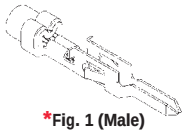


*Fig. 1 (Male)

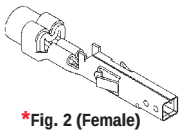


*Fig. 2 (Female)

Male Contacts

Part No.	Product No.	Desc.*	AWG	1	10	100
304661CJ	44478-3112†	1B	16	$.20	$.171	$.152
304688CJ	39-00-0224	1D	16	.85	.704	.508
304709CJ	39-00-0096	1C	16	.62	.517	.376
304725CJ	39-00-0041	1A	18-24	✳	.056	.047
304741CJ	39-00-0220	1D	18-24	.76	.704	.389
304792CJ	30490-2012	1D	18-24	.25	.244	.209
304805CJ	39-00-0054	1C	18-24	.43	.404	.306
304821CJ	30490-1012	1D	18-24	.83	.686	.494
304768CJ	44478-1112†	1B	22-28	.28	.261	.171
304864CJ	39-00-0049	1A	22-28	.20	.071	.07
304881CJ	39-00-0222	1D	22-28	.76	.649	.466
304901CJ	39-00-0088	1C	22-28	.43	.40	.361

- **Sold in 4000 piece reel**

Part No.	Product No.	Desc.*	AWG	Price
307985CJ	39-00-0040	1A	18-24	$108.00

Female Contacts

Part No.	Product No.	Desc.*	AWG	1	10	100
304670CJ	44476-3112†	2C	16	$.32	$.261	$.155
304696CJ	39-00-0186	2D	16	.85	.70	.51
304717CJ	39-00-0168	2C	16	.58	.479	.346
304733CJ	39-00-0039	2A	18-24	✳	.064	.059
304750CJ	39-00-0182	2D	18-24	.46	.44	.389
304776CJ	44476-1112†	2B	18-24	.32	.261	.188
304784CJ	44485-1212†	2D	18-24	.88	.733	.523
304813CJ	39-00-0164	2C	18-24	.43	.39	.345
304872CJ	39-00-0047	2A	22-28	.20	.14	.096
304899CJ	39-00-0184	2D	22-28	.45	.435	.428
304910CJ	39-00-0166	2C	22-28	.58	.478	.323

- **Sold in 4000 piece reel**

Part No.	Product No.	Desc.*	AWG	Price
307993CJ	39-00-0038	2A	18-24	$140.00

Hand Tools for Mini-Fit Jr.



304928CJ



304936CJ

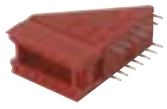
304928CJ: Crimp tool
- Accepts wire range from 14-24 AWG

304936CJ: Extraction tool

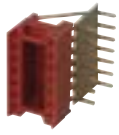
Part No.	Product No.	1	5
304928CJ	63811-1000	$42.99	$39.99
304936CJ	11-03-0044	19.99	18.99

ARIES Series 800 Vertisockets

With Bifurcated Contacts



291477CJ



291485CJ

- Body material: UL 94-HB glass filled nylon
- Phosphor bronze spring tempered bifurcated contacts
- Contact plating: 100µ" (2.54µm) tin or 10µ" (.254µm) gold
- Contact current: 1.5A
- Operating temperature: 221˚F (105˚C) for tin; 257˚F (125˚C) for gold
- Suggested PCB hole size: .044" (1.12mm) dia.
- Gold plated (except 296770CJ – tin plated)
- Center pins: .300" (except 291231CJ – .200")

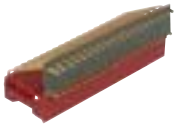
Vertical Mount

Part No.	Product No.	Pins	L" x W"	1	10	100
291231CJ	10-2810-90	10	1.0 x .29	$4.99	$4.19	$3.39
291477CJ	14-810-90R	14	1.4 x .39	2.69	2.39	1.85
296770CJ	14-810-90T	14	1.4 x .39	3.65	3.25	2.49

Horizontal Mount

Part No.	Product No.	Pins	L" x W"	1	10	100
291485CJ	14-823-90	14	1.4 x .39	$4.15	$3.69	$2.85

Horizontal Mounting w/ Collet Contacts

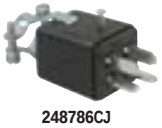


- Body material: UL 94-HB glass filled nylon
- Brass alloy pin body w/ 200µ" (5.07µm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contacts
- Operating temperature: 221˚F (105˚C)
- Contact current: 3A • Center pins: .300" (7.62mm)
- Suggested PCB hole size: .035" (.89mm) dia.

Part No.	Product No.	Pins	L" x W"	1	10	100
295241CJ	40-6823-10	40	2.0 x .70	$12.69	$11.19	$8.79

Cinch Jones Plugs and Sockets

Multiple-Density Solder-Eyelet Connectors with Hood and 180° Clamp



248786CJ



248823CJ

- Insulation material: molded mono-block, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Hood material: UL 94V-0 rated thermoplastic
- Operating voltage: 250 VAC RMS maximum
- Current rating: 10 amps
- Contact resistance: 16mΩ maximum

Plugs

Part No.	Product No.	Contacts	1	25
248760CJ	P-302-CCT	2	$2.15	$1.96
248778CJ	P-303-CCT	3	2.39	2.15
248786CJ	P-304-CCT	4	3.09	2.49
248794CJ	P-306-CCT	6	2.89	2.62

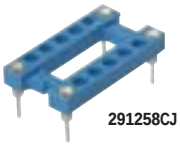
Sockets

Part No.	Product No.	Contacts	1	25
248807CJ	S-302-CCT	2	$2.29	$2.11
248815CJ	S-303-CCT	3	2.69	2.43
248823CJ	S-304-CCT	4	2.69	2.46
248831CJ	S-306-CCT	6	3.09	2.80

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on our web product specification pages @ www.Jameco.com.

ARIES Oscillator Sockets

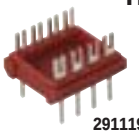


291258CJ

- Body material: blue UL 94V-0 glass filled polyester thermoplastic
- Brass alloy pin, 1/2 hard w/ 200µ" (5.08µm) 93/7 tin/lead plating
- Contact current: 3A
- Center pin spacing: .300" (7.62mm)
- Operating temperature: 221˚F (105˚C)
- Suggested PCB hole size: .030" (.76mm)

Part No.	Prod. No.	Pos.	L" x W"	1	10	100
291282CJ	1108800	8	.40 x .40	$.56	$.47	$.38
291258CJ	1107741	14	.70 x .40	.56	.47	.38

ARIES DIP Headers and Header Covers



291119CJ



291451CJ

- Standard cover/body material is red UL 94-HB glass filled nylon • High temperature cover/body material is black UL 94V-0 4/6 nylon

Series 600 Headers w/ Coined Contacts

- Coined contacts are brass 1/2 hard
- Contact plating: 100µ min., tin
- Contact current rating: 2A
- Operating temperature: 221˚F (105˚C)
- Fork contacts: accepts up to .025" (.64mm) dia. leads

Part No.	Product No.	Pos.	*W (in.)	1	10	100
291119CJ	08-600-10	8	.300	$1.09	$.96	$.79
291311CJ	14-600-10	14	.300	1.55	1.37	1.11
291573CJ	16-600-10	16	.300	1.69	1.49	1.22
291872CJ	18-600-10	18	.300	1.89	1.67	1.35
291944CJ	20-600-10	20	.300	2.05	1.79	1.45
291995CJ	24-600-10	24	.600	2.49	2.19	1.79
295128CJ	28-600-10	28	.600	2.89	2.55	2.06

* Center to center pin width

Series 650 Header Covers

Part No.	Prod. No.	Pos.	*Ht. (in.)	1	10	100
291127CJ	08-650-10	8	.125	$.48	$.395	$.335
291338CJ	14-650-10	14	.125	.49	.40	.33
291451CJ	14-650-20	14	.375	.53	.44	.36
291653CJ	16-650-10	16	.125	.52	.43	.36
291661CJ	16-650-20	16	.375	.52	.43	.36
291881CJ	18-650-10	18	.125	.61	.50	.41
291952CJ	20-650-10	20	.125	.60	.50	.41
292007CJ	24-650-10	24	.125	.67	.56	.45
292023CJ	24-650-20	24	.375	.79	.68	.51
295136CJ	28-650-10	28	.125	.87	.74	.61

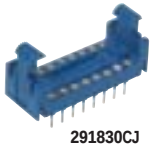
* Max. component height

Crimping Tools for Crimp Pins –See page 242.



EJECT-A-DIP DIP Collet Sockets

With Solder Tail Pins


291830CJ

- Latch and body: UL 94V-0 glass-filled polyester thermoplastic
- Brass alloy pin body w/ 200µ" (5.08µm) 93/7 tin/lead plating
- Beryllium copper alloy 6-fingered collet contact w/ 10µ" (0.25µm) gold plating
- Contact current: 3A
- Insulation resistance: 10,000MΩ @ 500VDC
- Withstanding voltage: 1000VRMS
- Operating temp.: -67˚F to 257˚F (-55˚C to 105˚C)
- Center pins: 291493CJ/291830CJ – .300"; 295216CJ/295259CJ – .600"
- Suggested PCB hole size: .030" (.76mm) Dia.

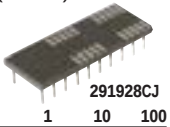
Vertical Mount

Part No.	Product No.	Pins	L" x W"	1	10	100
291493CJ	14-C280-10	14	.95 x .40	**$3.09**	**$2.49**	**$1.85**
291830CJ	16-C280-10	16	1.05 x .40	**3.29**	**2.65**	**1.99**
295216CJ	32-C182-10	32	1.89 x .70	**5.55**	**4.49**	**3.85**
295259CJ	40-C182-10	40	2.29 x .70	**7.05**	**5.69**	**4.89**

SOIC/SOJ to DIP Adapters

- Board material: .062" thick FR-4 with 1 oz. copper traces on both sides
- Brass alloy pins 1/2 hard with 200µ" (5.08um) minimum tin plating
- Operating temperature: 221˚F (105˚C)
- Suggested PCB hole size: .028" (.71mm) Dia.

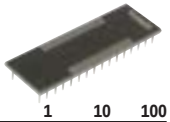
Series 35000X


291928CJ

- Center pins: .300" (7.62mm)
- SOIC package (except 291928CJ – SOJ)

Part No.	Product No.	Pins	L" x W"	1	10	100
291207CJ	08-350000-10	8	.400 x .460	**$6.59**	**$5.59**	**$4.50**
291291CJ	14-350000-10	14	.700 x .450	**6.55**	**5.55**	**3.99**
291514CJ	16-350000-10	16	.800 x .450	**6.55**	**5.59**	**4.65**
291864CJ	18-350000-10	18	.900 x .450	**6.55**	**5.55**	**4.40**
291910CJ	20-350000-10	20	1.0 x .450	**6.55**	**5.55**	**4.59**
291928CJ	20-350001-10	20	1.0 x .420	**6.05**	**5.99**	**5.35**
291979CJ	24-350000-10	24	1.2 x .450	**4.45**	**4.33**	**4.23**
292074CJ	28-350000-10	28	1.4 x .400	**6.05**	**5.23**	**5.00**

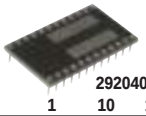
Series 45000X



- Center pins: .400" (10.16mm)
- SOJ package

Part No.	Product No.	Pins	L" x W"	1	10	100
295179CJ	32-450001-10	32	1.6 x .530	**$9.09**	**$8.99**	**$8.89**

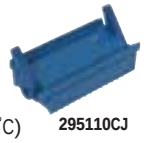
Series 65000X


292040CJ

- Center pins: .600" (15.24mm)
- SOIC package (except 295187CJ – SOJ)

Part No.	Product No.	Pins	L" x W"	1	10	100
295187CJ	32-650000-10	32	1.6 x .700	**$10.35**	**$10.25**	**$10.15**
292040CJ	24-650000-10	24	1.2 x .700	**9.19**	**8.55**	**7.09**
295144CJ	28-650000-10	28	1.4 x .700	**10.35**	**10.25**	**10.15**

Series 516 ZIF Sockets

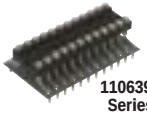

295110CJ

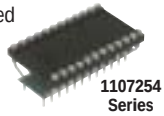
- Body, handle, and cam are 94V-0 glass-filled polyester thermoplastic
- Copper beryllium pins w/ 50µ" (1.27µm) tin plating
- Contact current: 1A
- Operating temperature: 221˚F (105˚C)
- Center pins: .600" (15.24mm)
- Suggested PCB hole size: .035" (.89mm) Dia.

Part No.	Product No.	Pins	L" x W"	1	10	100
295110CJ	28-516-10	28	1.2 x .785	**$8.99**	**$8.19**	**$7.75**
295224CJ	40-516-10	40	2.0 x .780	**11.99**	**10.79**	**10.19**

Row-to-Row DIP Adapter Socket

These sockets allow the use of .300" (7.62mm) center devices when the PCB is drilled on .600" (15.24mm) centers and vice versa, giving the flexibility of using .600" or .300" center devices in the same application.


1106396 Series


1107254 Series

- Socket body: UL 94-HB glass-filled nylon
- Brass alloy pin body w/ 200µ" (1.27µm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contact w/ 30µ" (0.76µm) gold plating
- Contact current: 3A
- Operating temp.: 221˚F (105˚C)
- Suggested PCB hole size: .035" (.89mm) dia.

Series 1106396 – .300" to .600" adapter

Part No.	Product No.	Pins	1	10	100
296737CJ	1106396-24	24	**$9.69**	**$7.39**	**$6.79**
296745CJ	1106396-28	28	**10.89**	**8.29**	**7.55**

Series 1107254 – .600" to .300" adapter

Part No.	Product No.	Pins	1	10	100
296753CJ	1107254-24	24	**$9.69**	**$7.39**	**$6.79**
296761CJ	1107254-28	28	**10.89**	**8.29**	**7.55**

PLCC Test & Burn-In Zero Insertion Socket

Series 536



- Black body UL 94V-0 glass-filled polyphenylene sulfide
- Beryllium copper alloy contacts w/ 12µ" (.30µm) gold plating
- Contact current: 1A
- Contact resistance: 30mΩ max. (initial)
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 700VAC cont. for 1 minute
- Self inductance: 8.9nH at 10MHz
- Operating temp.: -67˚F to 338˚F (-55˚C to 170˚C)
- Size: 1.772"L x 1.339"W

Part No.	Product No.	Pins	1	10	100
295267CJ	44-536-11	44	**$60.49**	**$60.39**	**$60.29**

Series 526 Low Profile ZIF Socket


296788CJ

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Zinc alloy cam
- Operating temp.: -67˚F to 221˚F (-55˚C to 105˚C)
- Contact current: 2A
- Contact resistance: 10mΩ max.
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm)
- Suggested PCB hole size: .035" (0.89mm) Dia.

Part No.	Product No.	Pins	L" x W"	1	10	100
296788CJ	24-526-10	24	1.45 x .75	**$5.65**	**$5.19**	**$4.39**
102744CJ	28-526-10	28	1.64 x .75	**5.49**	**4.99**	**4.49**
102752CJ	40-526-10	40	2.24 x .75	**7.35**	**6.25**	**4.69**

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

High Temp. Universal Zero Insertion DIP Test

Series X55X

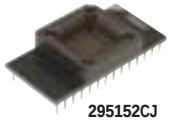

292058CJ

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ nickel; -11: 10µ" gold over 50µ nickel
- Operating temperature: -10: 221˚F (105˚C) – tin plating; -11: 302˚F (150˚C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle • Contact current: 1A
- Insulation resistance: 1000MΩ
- Dielectric withstanding voltage: 1000VAC
- Operating temperature: 482˚F (250˚C)
- Center pins: .600" (15.24mm)

Part No.	Product No.	Pins	L" x W"	1	10	100
292058CJ	26-6554-11	26	1.3 x 0.9	**$10.95**	**$9.59**	**$9.55**
295161CJ	28-6554-11	28	1.4 x 0.9	**11.85**	**10.39**	**10.25**
295208CJ	32-6554-11	32	1.6 x 0.9	**13.15**	**11.49**	**11.39**
295232CJ	40-6554-11	40	2.0 x 0.9	**15.69**	**13.79**	**13.69**
295291CJ	48-6554-11	48	2.4 x 0.9	**19.39**	**16.19**	**16.09**
103991CJ	24-6554-10	24	1.8 x 0.9	**7.49**	**6.79**	**5.99**
104002CJ	28-6554-10	28	2.0 x 0.9	**8.45**	**7.39**	**7.15**
104011CJ	32-6554-10	32	2.1 x 0.9	**9.95**	**8.49**	**8.29**
104029CJ	40-6554-10	40	2.5 x 0.9	**11.25**	**9.80**	**9.45**
296796CJ	48-6554-10	48	2.4 x 0.9	**13.49**	**11.89**	**11.79**

PLCC-to-DIP Adapter with Socket

Series 653000


295152CJ

- Converts PLCC packaged ICs to DIP footprints
- Adapter body: FR-4; .062" (1.58mm) thick with 1 oz. mininum copper traces
- Brass alloy solder tail pins w/ 200µ" (5.08µm) 93/7 tin/lead • Current rating: 1A
- Operating temperature: 221˚F (105˚C)
- Center pins: .600" (15.24mm)
- Suggested PCB hole size: .028" (.71mm) Dia.

Part No.	Product No.	Pos.	L" x W"	1	10	100
295152CJ	28-653000-10	28	1.4 x .705	**$23.59**	**$23.49**	**$23.39**
295195CJ	32-653000-10	32	1.6 x .705	**35.65**	**32.65**	**27.05**

DIP/SOIC to TO Adapter

8-pin DIP socket or 8-pin SOIC footprint on top and a circular 8-pin TO can male footprint at the bottom. ICs now available only in 8-pin DIP or SOIC can be readily mounted on boards having TO thru-hole footprints without having to redesign the board.


323272CJ


323264CJ

- Board thickness: .062"
- Male pin: brass alloy with 200µ" tin plating
- Suggested PCB hole size: .028" Dia.

323272CJ: DIP to TO adapter

- Socket body: black UL 94V-0
- Female pin: brass alloy with 10µ" gold plating
- Female pin contact: beryllium copper with 10µ" gold plating
- Accepts leads .015" to .025" Dia.; .100" to .125" long • Current rating: 3A
- Dimensions: 0.4"L x 0.4"W x 0.23"H

323264CJ: SOIC to TO adapter

- 1 oz. copper traces on both sides • Size: 0.375"Dia.

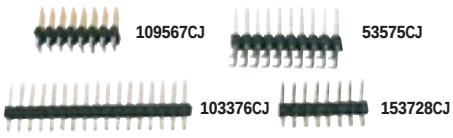
Part No.	Product No.	1	10	100
323272CJ	1109522	**$8.35**	**$7.89**	**$7.49**
323264CJ	1109814	**11.09**	**10.29**	**9.85**

.100" Male Headers (Gold)

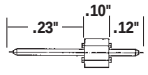
- Solder to PC boards for instant plug-in access via shorting blocks, right
- Insulator: UL94V-0 polyester
- Snap apart to fit your application
- Contact material: phosphor bronze
- Current rating: 1 amp • Contact area: gold
- Temperature range: -55°C to +120°C
- .025" square posts on a .100" x .100" matrix
- Use with crimp connector housing, pg 121

Quantity SAVE

✳**Prepackaged: order in increments of 10, 100 or 1000**



.100" Straight Male Headers

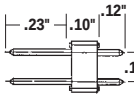


Single Row



Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
108337CJ	SMH02	2 ..... ✳	$.16	$.14	$.13	
109575CJ	SMH03	3 ..... ✳	.17	.15	.135	
117559CJ	SMH04	4 ..... ✳	.17	.15	.135	
153699CJ	SMH06	6 ..... ✳	.17	.15	.135	
153701CJ	SMH08	8 ..... ✳	.20	.17	.15	
103392CJ	SMH10	10 ..... ✳	.18	.14	.10	
103376CJ	SMH17	17 ..... ✳	.16	.14	.13	
103368CJ	SMH20	20 ..... ✳	.25	.23	.21	
202825CJ	SMH22	22 ..... ✳	.25	.233	.21	
103350CJ	SMH25	25 ..... ✳	.25	.21	.16	
103341CJ	SMH30	30	.35	.31	.28	.25
68339CJ	SMH36	36	.42	.38	.34	.29
160881CJ	SMH40	40	.49	.44	.40	.36

.100" Straight Male Headers



Double Row

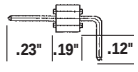


Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
115027CJ	923804DS	4 ..... ✳	$.10	$.09	$.07	
115035CJ	923806DS	6 ..... ✳	.18	.16	.14	
109516CJ	923808DS	8 ..... ✳	.18	.16	.14	
67820CJ	923810DS	10 ..... ✳	.18	.16	.14	
203810CJ	923812DS	12	.60	.55	.49	.44
118455CJ	923814DS	14	.45	.40	.36	.33
109567CJ	923816DS	16	.55	.49	.45	.39
203828CJ	923818DS	18	.65	.59	.55	.47
53479CJ	923862DS	20	.59	.55	.48	.43
203836CJ	923822DS	22	.70	.63	.50	(.38)
203844CJ	923824DS	24	.70	.65	.59	.49
203852CJ	923828DS	28	.75	.69	.55	(.39)
203879CJ	923830DS	30	.75	.69	.61	.50
203861CJ	923832DS	32	.75	.68	.54	(.40)
53516CJ	923864DS	34	.75	.69	.61	.55
203887CJ	923836DS	36	.80	.72	.58	.43
203895CJ	923838DS	38	.80	.72	.58	.43
53559CJ	923866DS	50	.60	.55	.49	.45
68574CJ	923860DS	60	.70	.65	.59	.55
103405CJ	923872DS	72	.85	.75	.69	.59
117196CJ	923880DS	80	.90	.80	.75	.65

Other Manufacturers — Great Deals

53495CJ	923863DS	26 ~~$.63~~	$.32	$.29	$.23	($.172)
53532CJ	923865DS	40	.59	.53	.42	(.31)

.100" Right Angle Male Headers

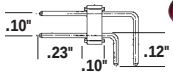


Single Row



Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
153728CJ	RMH08	8	$.45	$.40	$.30	$.25
103270CJ	RMH36	36	.75	.64	.58	.41

.100" Right Angle Male Headers



Double Row



Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
203908CJ	923804DR	4	$.38	$.34	$.31	$.28
203916CJ	923806DR	6	.49	.44	.30	.24
203924CJ	923808DR	8	.49	.44	.35	.26
203932CJ	923810DR	10	.59	.53	.48	.39
203941CJ	923812DR	12	.59	.53	.42	.31
203959CJ	923814DR	14	.65	.58	.47	.34
203967CJ	923816DR	16	.65	.59	.53	.43
203975CJ	923818DR	18	.65	.58	.47	(.34)
53575CJ	923820DR	20	.65	.59	.53	.47
203983CJ	923822DR	22	.65	.58	.47	(.34)
203991CJ	923824DR	24	.65	.58	.47	(.34)
53583CJ	923826DR	26	.69	.62	.51	.36
204003CJ	923828DR	28	.69	.62	.50	(.37)
204011CJ	923830DR	30	.75	.68	.54	(.40)
204020CJ	923832DR	32	.75	.68	.54	(.40)
204038CJ	923834DR	34	.75	.68	.54	(.40)
204046CJ	923836DR	36	.75	.68	.61	.50
204054CJ	923838DR	38	.75	.68	.54	(.40)
53604CJ	923840DR	40	.85	.75	.57	.50
53612CJ	923850DR	50	.85	.75	.57	.50
103413CJ	923872DR	72	1.15	.99	.89	.75
139563CJ	923880DR	80	1.35	1.19	1.09	.99

See page 121 for .100" Non-Polarized Connector Housings and Crimp Pins.



.100" and 2mm Shorting Blocks



- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs
- Mate with male headers, left
- Pin material: phosphor bronze

Open: open on top to allow for a test point
Closed: closed top
119263CJ: 2mm shorting block (for disk drives)

- **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	10	100	1000
22023CJ	Top open, black (.100") ..	$.12	$.09	$.06
119263CJ	Top open, black (2mm)	.15	.13	(.096)
112424CJ	Top open, blue (.100")	.133	.099	.067
112416CJ	Top open, red (.100")	.12	.09	.06
19140CJ	Top closed, black (.100") ..	.12	.09	.06
112441CJ	Top closed, blue (.100")	.12	.09	.06
112432CJ	Top closed, red (.100")	.20	.18	.12
152670CJ	Top closed, black (.100") ..	.19	.15	.12

Machine Contact Single-In-Line Female Sockets

- Machine tooled
- Solder tail and wire wrap



Part No.	Description	1	10	100	500
102200CJ	Single x 10-pin	$.25	$.22	$.20	$.18
78641CJ	Single x 30-pin	.89	.80	.68	.61
175919CJ	Single x 36-pin	1.19	1.09	.97	.87
101282CJ	Single x 20-pin WW2†	1.49	1.35	1.09	.80
104053CJ	Single x 30-pin WW3*	1.95	1.75	1.49	1.35

† Lead length: .435"(2) * Lead length: .575" (3)

Other Manufacturers — Great Deals

192840CJ	Single x 11-pin	$.44	$.40	$.32	($.24)

Machine Contact Dual-In-Line Female Sockets

- 0.100" centers
- Solder tail contact: .114"L
- Pin sleeve: tin
- Contact clip: gold



Part No.	Mfr. Cross Ref. No.	Pins	1	10	100
212855CJ	SA101000	10 ..	$.29	$.23	$.21
212863CJ	SA121000	12	.30	.28	.25
212871CJ	SA141000	14	.35	.33	.30
212880CJ	SA161000	16	.40	.37	.34
212898CJ	SA181000	18	.45	.42	.38
184612CJ	SA201000	20	.50	.46	.42
212901CJ	SA221000	22	.55	.51	.47
212919CJ	SA241000	24	.60	.56	.51
212927CJ	SA321000	32	.80	.74	.68
212935CJ	SA481000	48 ..	1.20	1.11	1.01

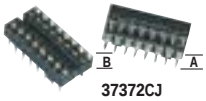
Lowest Price Guarantee

Have you found a product at a lower print advertised price? We'll beat that price by 10% right down to our cost!

Dual Wipe Solder Tail Low-Profile Sockets

A Jameco EXCLUSIVE

- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A)
- Body height: .188" (B)
- **Prepackaged: order in increments of 10, 100 or 1000**



37372CJ

Part No.	Mfr. Cross Ref. No.	Pins	Width (in.)	10	100	1000
112192CJ	6LPD	6	0.3	$.09	$.06	$.05
112205CJ	8LPD	8	0.3	.09	.08	.07
112213CJ	14LPD	14	0.3	.10	.075	.05
112221CJ	16LPD	16	0.3	.13	.115	.095
112230CJ	18LPD	18	0.3	.16	.14	.12
307977CJ	22LPD	22	0.3	.14	.14	.12
112281CJ	24SLPD	24	0.3	.14	.13	.09
112265CJ	24LPD	24	0.6	.158	.129	.089
112299CJ	28SLPD	28	0.3	.21	.19	.17
112301CJ	32LPD	32	0.6	.26	.23	.19
112310CJ	40LPD	40	0.6	.26	.23	.19
167396CJ	48LPD	48	0.6	.26	.23	.21

Other Manufacturers — Great Deals

Single & Dual Wipe Low-Profile Sockets

Part No.	Mfr. Cross Ref. No.	Pins	Width (in.)	10	100	1000
51570CJ	8LP*	8	0.3	$.063	$.054	$.045
37161CJ	14LP*	14	0.3	.081	.063	.054
37372CJ	16LP*	16	0.3	.09	.081	.054
38113CJ	18LP*	18	0.3	.099	.084	.063
38607CJ	20LP*	20	0.3	.108	.09	.063
112248CJ	20LPD†	20	0.3	.153	.13	.098
39132CJ	22LP*	22	0.4	.108	.095	.089
39378CJ	24SLP*	24	0.3	.153	.13	.098
39335CJ	24LP*	24	0.6	.16	.15	.11
112264CJ	24LPD†	24	0.6	.158	.136	.122
40301CJ	28LP*	28	0.6	.171	.117	.081
112272CJ	28LPD†	28	0.6	.214	.128	.096
41110CJ	40LP*	40	0.6	.171	.153	.108
112326CJ	64LPD†	64	0.9	.162	.139	.104

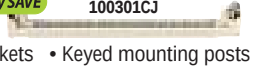
* Included in IC Socket Kit, pg 0 † Dual Wipe

SIMM Sockets

A Jameco EXCLUSIVE

Quantity SAVE

- Locking tabs
- Tinned contacts
- Memory module sockets • Keyed mounting posts


100301CJ

Part No.	Description	1	10	100	500
100301CJ	Single x 30-pin, vert.	$.59	$.53	$.42	$.32

Other Manufacturers — Great Deals

72531CJ	Dual x 30-pin, vert.	$.20	$.099	$.09	$.082

PLCC Surface Mount Sockets

A Jameco EXCLUSIVE

- Current: 1A
- Dielectric strength: 600VAC for 1 minute
- Insulator resistance: 5000MΩ minimum
- Temperature surface mount: -55˚C/ +170˚C


152688CJ

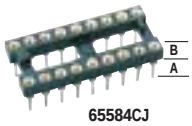
Part No.	Mfr. Cross Ref. No.	Pins	1	10	50	100
152688CJ	PLCC44D	44	$.75	$.68	$.54	$.40
307951CJ	850-68-99ST	68	.86	.78	.69	.66

Other Manufacturers — Great Deals

152696CJ	PLCC68D	68	$.34	$.31	$.28	$.26

Machine Tooled Solder Tail Low-Profile Sockets

- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Multiple contact elements
- Material: beryllium copper or phosphor bronze
- Contact resistance:less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass
- Thru-hole lead length: .177" (A)
- Body height: .117" (B)



65584CJ

A Jameco EXCLUSIVE

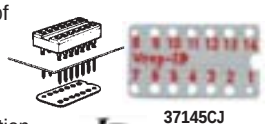
Part No.	Mfr. Cross Ref. No.	Pins	Width (in.)	1	10	100	1000
167003CJ	6MLPT	6	0.3	$.29	$.26	$.18	$.16
51625CJ	8MLP	8	0.3	.25	.22	.19	.17
37196CJ	14MLP	14	0.3	.42	.38	.33	.30
37401CJ	16MLP	16	0.3	.47	.43	.37	.34
65584CJ	18MLP	18	0.3	.55	.49	.43	.39
38623CJ	20MLP	20	0.3	.59	.55	.45	.39
39386CJ	24SMLP	24	0.3	.65	.59	.47	.35
114411CJ	28SMLP	28	0.3	.85	.75	.65	.55
40328CJ	28MLP	28	0.6	.83	.75	.65	.59
105380CJ	32MLP	32	0.6	.95	.85	.75	.65
41136CJ	40MLP	40	0.6	1.19	1.05	.79	.69
42059CJ	48MLP	48	0.6	1.29	1.16	1.04	.89
200707CJ	64MLP	64	0.9	1.35	1.25	1.15	.99

Other Manufacturers — Great Deals

192209CJ	224SMLP	22	0.4	$.53	$.48	$.387	$.29
39351CJ	24MLP	24	0.6	.65	.59	.47	.35
184680CJ	284SMLP	28	0.4	.80	.72	.58	.43

Wire Wrap Socket I.D. Markers

- Quick identification of pin numbers
- Slips onto socket before wrapping
- Plastic
- Can easily write location, part number or function


37145CJ

Part No.	Prod. No.	Pins	Width (in.)	1	10	100	500
51561CJ	8ID	8	0.3	$.44	$.35	$.30	$.28
37145CJ	14ID	14	0.3	.35	.31	.28	.24
37356CJ	16ID	16	0.3	.29	.26	.25	.23
38105CJ	18ID	18	0.3	.49	.45	.39	.35
38586CJ	20ID	20	0.3	.55	.49	.45	.41
39327CJ	24ID	24	0.6	.59	.52	.43	.38
40299CJ	28ID	28	0.6	.65	.55	.47	.45
41101CJ	40ID	40	0.6	.89	.79	.69	.65

PLCC Solder Tail Sockets

- Solder tail allows through-hole board patterns in .100" grid
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)
- Thru-hole lead length: .125"
- Body height: .375"

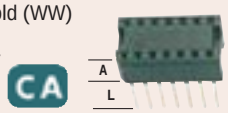

71968CJ

A Jameco EXCLUSIVE

Part No.	Mfr. Cross Ref. No.	Pins	1	10	50	100
71263CJ	G1P428	28	$.56	$.44	$.34	$.29
71811CJ	G1P432	32	.55	.48	.41	.39
71618CJ	G1P444	44	1.15	.99	.81	.69
72442CJ	G1P452	52	.99	.79	.65	.55
71968CJ	G1P468	68	1.15	.99	.89	.79
71976CJ	G1P484	84	1.29	1.19	.93	.70

Level 1, 2 & 3 Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Material: beryllium copper or phosphor bronze
- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve material: brass
- Thru-hole lead length: .315" (L1); .438" (L2); .638" (L3) • Body height: .300" (A)



37233CJ

Gold (WW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
51641CJ	8WW2	8	0.3	$1.49	$1.29	$1.19	$.99
37233CJ	14WW2	14	0.3	1.49	1.35	1.19	1.09
37479CJ	16WW2	16	0.3	1.75	1.59	1.43	1.29
196859CJ	18WW3	18	0.3	1.55	1.37	1.20	1.09
38674CJ	20WW2	20	0.3	2.25	1.99	1.82	1.65
39394CJ	24WW2	24	0.6	1.85	1.63	1.43	1.33
40352CJ	28WW2	28	0.6	2.19	1.99	1.75	1.60
41187CJ	40WW2	40	0.6	3.15	2.80	2.45	2.29

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
112660CJ	8TWW2	8	0.3	$.86	$.61	$.58	$.55
37217CJ	14TWW2	14	0.3	1.15	1.03	.93	.84
37436CJ	16TWW2	16	0.3	.99	.89	.73	.67
87636CJ	18TWW2	18	0.3	1.09	.98	.89	.88
75379CJ	20TWW2	20	0.3	1.69	1.52	1.35	1.23
75416CJ	24TWW2	24	0.6	1.49	1.35	1.09	.79
75424CJ	28TWW2	28	0.6	1.89	1.63	1.36	1.22
41179CJ	40TWW2	40	0.6	2.49	2.15	1.79	1.59

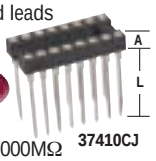
Other Manufacturers — Great Deals

196832CJ	14WW1	14	0.3	$1.05	$.94	$.76	$.57
196841CJ	14TWW3	14	0.3	.82	.74	.59	.44

Level 3 Machine Tooled Wire Wrap Sockets

- Contact plating: gold • Tin-plated leads
- Contact resistance: <5mΩ
- Dielectric withstanding voltage: 300Vrms
- Material: beryllium copper or phosphor bronze
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass • Body height: .115" (A)
- Thru-hole lead length: .365" (L2); .515" (L3)

A Jameco EXCLUSIVE



37410CJ

✪ Blue Part No. = Limited Quantity Available

Part No.	Mfr. Cross Ref. No.	Pins	Width (in.)	1	10	100	500
94473CJ	8MSWW3	8	0.3	$.53	$.46	$.38	$.34
62050CJ	14MSWW3	14	0.3	.93	.80	.67	.60
37410CJ	16MSWW3	16	0.3	1.09	.93	.78	.69
94481CJ	18MSWW3	18	0.3	1.09	.93	.78	.74
38631CJ	20MSWW3	20	0.3	1.33	1.14	.95	.86
185324CJ	22MSWW3	22	0.3	1.39	1.25	1.06	.97
105371CJ	24SMSWW3	24	0.3	1.55	1.32	1.11	.99
94490CJ	24MSWW3	24	0.6	1.55	1.31	1.11	1.03
200715CJ	283MSWW3	28	0.3	1.69	1.43	1.19	1.07
40336CJ	28MSWW3	28	0.6	1.69	1.43	1.19	1.07
117057CJ	32MSWW3	32	0.6	2.19	1.99	1.79	1.49
94502CJ	40MSWW3	40	0.6	2.65	2.28	1.90	1.71
200723CJ	48MSWW3	48	0.6	2.99	2.69	2.39	2.15
200731CJ	64MSWW3✪	64	0.9	2.59	2.37	2.15	1.96

Other Manufacturers — Great Deals

192831CJ	224MSWW3	22	0.4	$.54	$.49	$.45	$.40
313656CJ	24MSWW3	24	0.6	1.19	1.05	.88	.79

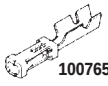
.100" Non-Polarized Connector Housings & Crimp Pins

- Mates with .025" square post on pattern of .100" centers (male headers, see pg 119)
- Current rating: 1A • Pin material: brass/tin plated
- Pin wire gauge: 26-22 AWG • Plastic
- Temperature rating: -55°C to +105°C
- Use 159265CJ pin crimper, pg 242 and 100765CJ below

✳ **Prepackaged: order in increments of 10, 100 or 1000**

Single Row


103190CJ

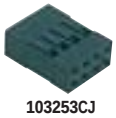

100765CJ

Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
100811CJ	SCH2	2 ..... ✳	$.23	$.21	$.17	
157382CJ	SCH3	3 ..... ✳	.24	.22	.18	
100802CJ	SCH4	4 ..... ✳	.25	.23	.19	
163686CJ	SCH5	5 ..... .30	.27	.25	.22	
103211CJ	SCH6	6 ..... .34	.31	.27	.21	
103202CJ	SCH8	8 ..... .39	.35	.29	.25	
103190CJ	SCH10	10 ..... .42	.39	.36	.31	
103181CJ	SCH20	20 ..... .49	.45	.39	.35	
103157CJ	SCH36	36 ..... .49	.45	.39	.35	
100765CJ	FCH1	Female pin ✳	.14	.11	.07	
145357CJ	MCH1	Male pin .... ✳	.15	.135	.12	

Double Row

(Side View)

(Top View) 145357CJ


103253CJ

Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
103253CJ	DCH8	8 ..... $.59	$.53	$.45	$.39	
157420CJ	DCH10	10 ..... .69	.62	.55	.49	
157438CJ	DCH14	14 ..... .73	.71	.69	.59	
103237CJ	DCH16	16 ..... .79	.71	.64	.58	
103229CJ	DCH20	20 ..... .99	.89	.79	.69	
157462CJ	DCH40	40 ..... 1.09	.99	.89	.75	
157471CJ	DCH50	50 ..... .65	.59	.47	.35	
100765CJ	FCH1	Female pin ✳	.14	.11	.07	
145357CJ	MCH1	Male pin .... ✳	.15	.135	.12	

USB-A & B Connectors and Pins

1.0 and 2.0


161023CJ (USB-A)


174060CJ (USB-B)


230965CJ

174060CJ: USB-A & B (2.0) Male Connector
- 3-part housing: tin plate over brass and glass fiber
- 4-pins (P/N 159724CC, see web) required per USB connector

161023CJ/230949CJ/230957CJ: USB-A & B (1.0 & 2.0) Female Connectors
- PC mount right angle with board locks

230965CJ: Male Crimp Pin
- Pin for P/N 174060CJ (4 required) • Contact: gold
- Use P/N 159265CJ for crimping tool, pg 242

✳ **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	1	10	100	1000
161023CJ	USB-A 1.0 conn. (F) ...	$.79	$.69	$.62	$.56
230949CJ	USB-A 2.0 conn. (F)	.99	.85	.55	.42
174060CJ	USB-B 2.0 conn. (M)	.79	.69	.62	.56
230957CJ	USB-B 2.0 conn. (F)	.99	.85	.55	.42
230965CJ	Crimp pin (M) for 2.0 ..... ✳	.125	.09	.065	

.100" Low Profile Keyed Shrouded Header & Connector

CD-ROM 4-Pin Headers and Connector


152741CJ


152725CJ


152733CJ

- Voltage rating: 250V AC/DC
- Current rating: 3A AC/DC
- Insulation resistance: 1000MΩ min.
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding voltage: 1000V AC/ 1 minute
- Pin material: tin-plated brass
- Recommended crimp tool P/N 99442CJ, pg 242

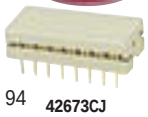
✳ **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	1	10	100	1000
152741CJ	Straight header	$.45	$.39	$.35	$.29
152725CJ	Right angle header ..	.55	.50	.40	.30
152733CJ	Single w/ latch†	.43	.37	.22	.16
181673CJ	Female pins ..... ✳	.11	.08	.06	

† P/N 152733CJ requires 4 pins (P/N 181673CJ)

.100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Plastic with gold-plated contacts
- Uses 28 AWG flat ribbon cable, pg 94
- Current rating: 1 amp


42673CJ

Part No.	Mfr. Cross Ref. No.	Width	Contacts	1	10	100	500
42657CJ	609-14	0.3"	14 ..	$.49	$.40	$.35	$.29
42673CJ	609-16	0.3"	16	.55	.45	.35	.30
104096CJ	609-20	0.3"	20	.69	.62	.55	.49
42690CJ	609-24	0.6"	24	.79	.71	.64	.59
99670CJ	609-28	0.6"	28	.89	.80	.72	.59
42711CJ	609-40	0.6"	40 ..	1.15	1.05	.95	.85

Card-Edge Connectors

- Fits all PC boards
- .054" to .070" thick

Solder Eyelet .140" Spacing Between Rows

- Contact centers: .156" • With mounting ears

Part No.	Position	Contacts	1	10	100
39116CJ	22/44	Gold	$2.95	$2.65	$2.38

Solder Tail .200" Spacing Between Rows

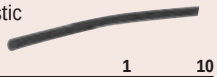
- Contact centers: .100"
- Without mounting ears


40694CJ

Part No.	Position	Contacts	1	10	100
40694CJ	31/62	Tin (PC/AT)	$.93	$.82	$.65
42091CJ	49/98	Tin (AT)	.89	.59	.39

10' Fiber Optic Cable

- 1000µm core jacketed plastic fiber optic cable (10')

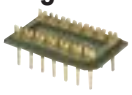


Part No.	Product No.	1	10
171272CJ	IF-C-E1000	$6.95	$6.25

.100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: .188" • 0.1" spacing between leads




37129CJ

Part No.	Mfr. Cross Ref. No.	Width	Pins	1	10	100
104336CJ	8HP	0.3"	8	$.79	$.67	$.57
37129CJ	14HP	0.3"	14	1.19	.99	.89
37330CJ	16HP	0.3"	16	1.35	1.25	1.09
38578CJ	20HP	0.3"	20	1.49	1.35	1.19

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.


27182CJ

27174CJ

Part No.	Prod. No.	Description	Wt. (lbs.)	1	10
27174CJ	M505	Bench press	7.0	$179.95	$159.95

M505 Accessories

27182CJ	M507	Cable cutter	0.9	$66.95	$61.95
27203CJ	M510	Base plate	0.5	26.49	23.49

.100" IDC Plug Connectors

Double Row


29217CJ

- .100" x .100" grid
- Plastic
- Shrouded header w/o mounting ears
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors, right

Part No.	Cross Ref. No.	Contacts	1	10	100
29188CJ	P40	40 ...	$1.95	$1.75	$1.49
29217CJ	P50	50	1.95	1.75	1.49

.100" Low-Profile Male Shrouded Headers

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Features: UL recognized, CSA certified; .025" square post mates with sockets on .100" x .100" grid
- Contact: phosphor bronze, gold plated
- Use with IDC socket connectors, above


68179CJ

Straight Male Headers

Part No.	Description	1	10	100	1000
67811CJ	10-pin	$.39	$.35	$.32	$.28
68179CJ	16-pin	.44	.40	.35	.32
68291CJ	20-pin	.49	.47	.39	.23
68371CJ	26-pin	.54	.42	.35	.21
68582CJ	34-pin	.79	.65	.46	.31
181104CJ	40-pin	.75	.60	.45	.315

Other Manufacturers — Great Deals

Right Angle Male Header SALE

Part No.	Description	1	10	100	1000
211182CJ	26-pin	$.22	$.20	$.18	$.17



For Fiber Optic Kits, see page 266.

Interconnects

Color Code Legend: New Sale Lower$ QtySave

JAMECO ValuePro ✓Awesome Prices ✓Consistent Quality ✓Professional Grade ✓Backed by Jameco

Color Code Legend: New Sale Lower$ QtySave

DIN and Mini DIN Plugs and Receptacles


177236CJ


15886CJ

• Solder barrels include strain relief • See pg 94 for cable

Part No.	Pins	Type	1	10	100
142279CJ	4	Mini plug	$.79	$.68	$.53
142261CJ	6	Mini plug	.89	.77	.59
177244CJ	6	Mini receptacle	.99	.85	.69
111878CJ	8	Mini plug	.99	.89	.74
177236CJ	8	Mini receptacle	1.09	.93	.69
15878CJ	5	DIN plug	.52	.47	.41
180873CJ	5	DIN receptacle	.52	.45	.34
15886CJ	6	DIN plug	.59	.50	.39
15894CJ	8	DIN plug	.65	.56	.43

DIN Female Sockets

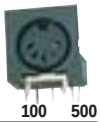
• Metal body
• Panel mount with solder lugs


15851CJ

Part No.	Mfr. Cross Ref. No.	# of pins	1	10	100	500
15843CJ	DINJ5	5	$1.29	$1.15	$1.05	$.79
15851CJ	DINJ6	6	1.39	1.25	1.15	.99
15860CJ	DINJ8	8	1.49	1.35	1.15	1.05

Right Angle DIN Female Sockets

• Set back: 0.5" • PC mount contacts
140792CJ/119474CJ: Plastic/metal body
29399CJ: Plastic body


29399CJ

Part No.	Mfr. Cross Ref. No.	# of pins	1	10	100	500
140792CJ	MDR4S	4 (mini)	$.69	$.59	$.46	$.34
119474CJ	MDR6S	6 (mini)	1.04	.91	.703	.583
29399CJ	RD5	5	.59	.53	.40	.36

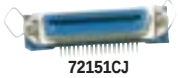
Other Manufacturers — Great Deals

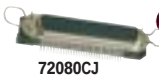
• Set back: 0.5" • PC mount contacts
• Plastic/metal body


207722CJ

Part No.	Mfr. Cross Ref. No.	# of pins	1	10	100	500
140791CJ	MDR4S	4 (mini)	$.62	$.56	$.45	$.33
207722CJ	MDS8100	8 (mini)	.89	.80	.64	.48

PCB Centronics Connectors


72151CJ


72080CJ

• Solder-type contacts • Space between rows: .164"
• Space between pins: 0.1" • Metal body • PC mount
✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
72151CJ	36-contact fem., rt angle	$3.55	$3.19	$2.87
72080CJ	50-contact fem., rt angle	4.95	4.45	3.95

Other Manufacturers — Great Deals

Part No.	Description	1	10	100
159708CJ	36-contact fem., straight✪	$.53	$.48	$.44

IDC Centronics Connector

• Contact material: gold plated phosphor bronze; plastic casing
• Current rating: 1 amp
• Temp. rating: -55°C to +105°C
• Use 73251CJ IDC crimping tool, pg 242



Part No.	Mfr. Cross Ref. No.	Description	1	10	100
13848CJ	CEN36M	36-contact male	$1.75	$1.55	$1.39

.100" (2.5mm) Female Header Receptacles

• Gold plated contacts
• 0.1" contact center

Right Angle Mount (Side Entry)

Part No.	Contacts	Type	1	10	100	500
71159CJ	20	Double row	$1.25	$1.10	$.99	$.85

Vertical Mount (Top Entry)

Part No.	Contacts	Type	1	10	100	500
70754CJ	8	Single row	$.59	$.53	$.43	$.35
200782CJ	12	Single row	.79	.59	.45	.42
308591CJ	16	Single row	.58	.48	.31	.243
308566CJ	20	Single row	.69	.57	.37	.289
70720CJ	16	Double row	.89	.79	.72	.65
70826CJ	20	Double row	.99	.89	.71	.53
105056CJ	30	Double row	1.09	.98	.88	.74
163863CJ	34	Double row	1.19	1.05	.92	.79
111704CJ	40	Double (Tin)	1.29	1.15	.99	.89

Other Manufacturers — Great Deals

Part No.	Contacts	Type	1	10	100	500
163862CJ	34	Double row	$1.05	$.94	$.85	$.71

Centronics Parallel Interface Connector

Metal Body and Shell Solder-Type Contacts

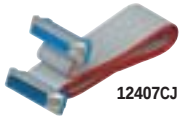
• Solder eyelets accept 24 AWG wire, pg 94
• Male cable plugs
• Complete with cable boot,shell and hardware


42382CJ

Part No.	Cross Ref. No.	Contacts	1	10	50
42382CJ	57-30360	36	$1.79	$1.59	$1.49

Ribbon Cable Assemblies

• Metal connector
• 300V rating
• 105°C rating
• 28 AWG flat cable
• Tin-plated contacts


12407CJ

Part No.	Description	1	10	100
12407CJ	4' DB25 M-F	$4.49	$3.95	$3.59
208581CJ	6' DB9 M-F	3.95	3.55	3.19

.100" & 2mm IDC Socket Connectors

Double Row
• Mates with 2 rows of .025"Sq. or Dia. posts on patterns of .100" centers (male headers, see below)
• Current rating: 1A
• Industry standard IDC socket (plastic)
• Temperature rating: -55°C to +105°C
• Use crimper P/N 73251CJ, pg 242


32563CJ

Polarized IDC Socket Connectors

Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
32491CJ	S10	10	$.29	$.25	$.19	$.15
153947CJ	S14	14	.32	.27	.21	.16
119466CJ	S16	16	.35	.29	.22	.17
32521CJ	S20	20	.39	.32	.25	.18
32563CJ	S26	26	.45	.35	.29	.19
32643CJ	S34	34	.49	.39	.35	.25
32678CJ	S40	40	.55	.45	.39	.29
100386CJ	IDC440*	44 (2mm)	.99	.89	.71	.53
32707CJ	S50	50	.65	.55	.45	.35
32758CJ	S60	60	.75	.68	.61	.50

*2mm pin spacing

Non-Polarized IDC Socket Connectors

Part No.	Mfr. Cross Ref. No.	Contacts	1	10	100	1000
138376CJ	SN10	10	$.35	$.32	$.28	$.24
138325CJ	SN20	20	.45	.40	.36	.28
138333CJ	SN26	26	.39	.35	.32	.24
138341CJ	SN34	34	.45	.40	.35	.28
138350CJ	SN40	40	.49	.45	.39	.29
138368CJ	SN50	50	.65	.59	.467	.35

.100" (2.5mm) Straight Male Headers


71829CJ

With Standard Latch

Double Row
• 0.1" contact center
• Mount vertical
• Keying slot
• Use with IDC socket connectors, above



Part No.	Description	1	10	100	500
117663CJ	10-pin	$1.29	$1.16	$.99	$.61
71829CJ	20-pin	1.39	1.25	1.13	.95
71933CJ	26-pin	1.49	1.25	.99	.89
72215CJ	50-pin	1.85	1.65	1.49	1.35

Internal Serial ATA, ATA-133 & Floppy Drive Cables


348710CJ


348728CJ


348752CJ


348795CJ

Part No.	Description	Length	1	10	25
348710CJ	7-pin round serial ATA cable, red, 90˚	19.9"	$4.69	$4.11	$3.91
348744CJ	7-pin round serial ATA cable, red, 90˚	39.4"	5.89	5.21	4.95
348728CJ	7-pin round serial ATA cable, red, 180˚	19.9"	4.69	4.11	3.91
348736CJ	7-pin round serial ATA cable, red, 180˚	39.4"	5.89	5.21	4.95
348752CJ	40-pin dual round ATA-133/IDE cable, blue	18"	4.69	4.27	4.05
348761CJ	40-pin dual round ATA-133/IDE cable, black	18"	4.69	4.27	4.05
348779CJ	40-pin dual round ATA-133/IDE cable, blue	24"	5.45	5.12	4.87
348787CJ	40-pin dual round ATA-133/IDE cable, black	24"	5.45	5.12	4.87
348795CJ	34-pin round floppy drive cable, blue	18"	6.59	6.59	5.77
348808CJ	34-pin round floppy drive cable, Black	18"	6.59	6.07	5.77
348816CJ	34-pin round floppy drive cable, Blue	24"	7.69	7.21	6.85

Additional Cables on pages 95-97 & 205.

.118"-Pitch ATX Power Connectors for Motherboards & Power Supplies

A Jameco EXCLUSIVE

- Voltage rating: 250V AC/DC • Current rating: 7A AC/DC • Temperature range: -25˚C to 85˚C
- Insulation resistance: 1000MΩ min. • Withstanding volt.: 1500V/min.

147379CJ: ATX male 20-pin edge mount connector
- Material: nylon 66, UL-94VO
- Material of post: tin-plated brass • Diameter of post: .045"

147387CJ: Housing connector • Material: nylon 66, UL-94VO

147395CJ: ATX power terminal pins • Material: tin-plated brass



147379CJ 147395CJ 147387CJ

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379CJ	20-pin male connector	1.7"	0.4"	0.6"	—	—	$.59	$.53	$.48	$.43
147387CJ	20-pin housing connector	1.7"	0.4"	0.8"	—	147395CJ	.59	.53	.48	.43
147395CJ	Power terminal pin, female	.59"	—	—	.068"	147387CJ	✳	.12	.11	.10

.098"-Pitch AT Power Connectors for Motherboards & Power Supplies

A Jameco EXCLUSIVE

- Voltage rating: 250V AC/DC • Current rating: 7A AC/DC • Temperature range: -25˚C to 85˚C
- Insulation resistance: 1000MΩ min. • Withstanding volt: 1500V/min.

78300CJ: AMP60G male 6-pin PCB mount connector
- Material of post: tin-plated brass • Diameter of post: .09"

78326CJ: AMP50G female 6-pin housing connector • Material: nylon

78318CJ: AMP501T terminal pin • Material: tin-plated brass



78300CJ 78318CJ 78326CJ

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
78300CJ	6-pin male connector	.93"	.37"	.57"	—	—	$.45	$.39	$.35	$.31
78326CJ	6-pin housing connector	.94"	.25"	.74"	—	78300CJ	.35	.31	.28	.25
78318CJ	Power terminal pin, female	.69"	—	—	.09"	78326CJ	✳	.11	.08	.07

PC/XT/AT & PS/2 Keyboard Extension Cables

- Color: beige

114981CJ/112045CJ/:
- 5-pin DIN male-to-female

28548CJ/111053CJ:
- 6-pin mini DIN female-to-male



114981CJ

Part No.	Description	1	10	100
114981CJ	PC/XT/AT 6' non-coiled	$1.99	$1.69	$1.27
112045CJ	PC/XT/AT 10' non-coiled	3.95	3.36	2.52
28548CJ	PS/2 6' non-coiled	4.35	3.89	3.49
111053CJ	PS/2 10' non-coiled	5.49	4.99	4.39

AT-to-PS/2 and PS/2-to-AT Keyboard Adapter Cables

28003CJ/319783CJ:
- Connects AT-type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN



28003CJ

310789CJ:
- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connectors

Part No.	Length	Color	1	10	100
319783CJ	4.5"	Black	$2.45	$2.19	$1.99
28003CJ	6.5"	Beige	3.95	3.49	3.15
310789CJ	7.5"	Beige	3.95	3.49	3.15

Dual PS/2 Adapter

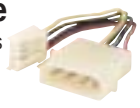
Converts a dual PS/2 female to a single PS/2 male.
- Size: 1.9"L x 1.2"W



Part No.	Description	1	10	100
319791CJ	PS/2 adapter	$2.75	$2.59	$2.45

3.5" Disk Drive Power Adapter Cable

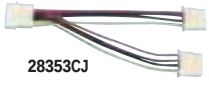
- IBM PC/XT and higher compatibles
- Allows connection of standard 3.5" disk drives to power supplies



Part No.	Length	AWG	1	10	100
28396CJ	3.5"	22	$2.49	$2.25	$1.95

3.5" & 5.25" Disk Drive Power Splitters

- IBM PC/XT and higher compatibles
- Splits 4-line Molex male into 2 females



28353CJ

Part No.	Drive	AWG	Length	1	10	100
28353CJ	5.25"	18	5"	$2.95	$2.69	$2.39
277528CJ	5.25"	20	6"	2.85	2.59	2.25
72303CJ	3.5"	22	5"	2.75	2.49	2.19

AT/ATX Power Supply Extension Cables

348891CJ
- For use with 12-pin AT power supplies



348891CJ

326490CJ/170237CJ
- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply



170237CJ

Part No.	Length	AWG	1	10	100
348891CJ	9.75"	18	$1.89	$1.78	$1.69
326490CJ	13"	18	5.35	5.09	4.79
170237CJ	15"	18	5.95	5.65	5.35

Power Connectors and Pins

A Jameco EXCLUSIVE

Connector & Housing Specifications:
- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:
- Material: tin plated brass • Current rating: 1.5 amps
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99442CJ, pg 242
- **Prepackaged: order in increments of 10, 100 or 1000**

For 5.25" Disk Drives and Power Supplies

42075CJ & 42067CJ Connector Housings:
- .200" pitch
- Keyed mating connectors
- External key bar indicates pin 1



42729CJ (Male for 42075CJ) 109145CJ 117567CJ

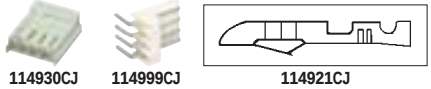
42649CJ (Female for 42067CJ) 42075CJ (Male) 42067CJ (Female)

- See left for extraction tools, 131887CJ & 131879CJ

Part No.	Description	10	100	1000
109145CJ	4-pin M vert. PCB mtg	$.65	$.59	$.53
117567CJ	4-pin M PCB mounting, horizontal edge mount	.85	.72	.65
42075CJ	4-pin M housing	.12	.11	.10
42067CJ	4-pin F housing	.20	.15	.13
42729CJ	M crimp pin for 42075CJ	.10	.07	.06
42649CJ	F crimp pin for 42067CJ	.10	.07	.06

For 3.5" Disk Drives and Power Supplies

- .100" pitch



114930CJ 114999CJ 114921CJ

Part No.	Description	10	100	1000
114930CJ	4-pin F housing	$.19	$.17	$.15
114921CJ	F crimp pin for 114930CJ	.11	.095	.08

Part No.	Description	1	100	1000
114999CJ	4-pin M rt. angle PCB mtg	$.35	$.31	$.28

IEEE 1284 Parallel/ Serial High Speed Cables

Compatible with bidirectional communication data flow resulting in speeds up to 10 times faster than conventional applications.



223845CJ

- Double shielded with 28 AWG stranded twisted pair inner conductors
- Molded shells, PVC plastic
- Color: beige (P/N 130067CJ/319767CJ); black (P/N 161630CJ); gray (P/N 223845CJ)
- Weight: 0.6 lbs.

Part No.	Description	1	10
130067CJ	6' DB25 M-Cent. parallel 36M	$11.95	$10.95
319767CJ	6' DB25 M-Cent. parallel 36M	4.95	4.69
223845CJ	6' DB25 M-Cent. parallel 36M	11.95	10.95
161630CJ	10' DB25 M-M serial cable	14.95	13.49

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 269.

Slim-Line D-Sub Gender Changers

A Jameco EXCLUSIVE


18497CJ


56071CJ


18446CJ

For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

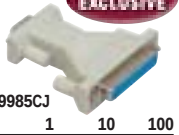
- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)
- Tin plated shells

Part No.	Description	1	10	100
18497CJ	9-pin male to male	$4.95	$4.49	$3.99
18489CJ	9-pin female to female	4.95	4.49	3.99
56071CJ	15-pin male to male	3.95	3.49	2.95
56063CJ	15-pin female to female	3.95	3.39	2.55
119319CJ	15-pin female to female HD	4.75	4.28	3.84
119301CJ	15-pin male to male HD	5.25	4.76	4.19
326537CJ	15-pin M-F (pass through)	2.25	1.91	1.43
18446CJ	25-pin male to male	4.95	4.49	3.99
18420CJ	25-pin female to female	4.95	4.49	3.99
170085CJ	25-pin M-F (pass through)	2.95	2.65	2.35

D-Sub 9-Pin to 25-Pin Serial Adapters

A Jameco EXCLUSIVE

10321CJ: For PC/XT systems with DB25 serial ports.
139985CJ: gold-plated contacts, extra long thumbscrews


139985CJ

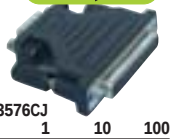
Part No.	Description	1	10	100
10321CJ	DB9 M to DB25 F	$4.49	$3.79	$3.19
189632CJ	DB9 M to DB25 M	3.49	3.15	2.85
139985CJ	DB9 F to DB25 F	3.95	3.55	3.19

Other Manufacturers — Great Deals

D-Sub 9-Pin to 25-Pin Serial Adapters

10305CJ: For use in AT or other computer systems that have 9-pin D-sub serial ports.
163740CJ/153576CJ: For PC/XT systems with DB25 serial ports.

Quantity SAVE


153576CJ

Part No.	Description	1	10	100
10305CJ	DB9 F to DB25 M	$3.15	$2.69	$1.99
163740CJ	DB9 M to DB25 F, thumbscrews on DB9 side only	2.55	2.19	1.65
153576CJ	DB9 M to DB25 F, thumbscrews on DB25 side only	3.55	2.99	2.25

Full Handshaking Null Modem Adapters

A Jameco EXCLUSIVE

Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.


26243CJ

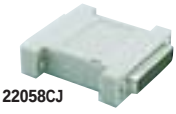
Internal pin configuration:
17224CJ: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20
26243CJ: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243CJ	DB25 M to DB25 F	$3.95	$3.65	$3.49
17224CJ	DB25 F to DB25 F	3.49	2.95	2.49

Standard D-Sub Gender Changers

A Jameco EXCLUSIVE


16643CJ


22058CJ

- Standard 9 and 25-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

Part No.	Description	1	10	100
16635CJ	D-sub 9-pin male	$1.95	$1.75	$1.49
16643CJ	D-sub 9-pin female	1.95	1.75	1.49
22058CJ	D-sub 25-pin male	1.95	1.49	1.05
22074CJ	D-sub 25-pin female	1.99	1.79	1.65

Keyboard Adapters


159089CJ 159097CJ 189771CJ 316831CJ

159089CJ/189771CJ: AT keyboard adapter
- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN

159097CJ: PS/2 keyboard adapter
- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)

A Jameco EXCLUSIVE

316831CJ: USB to PS/2 keyboard adapter
- USB-A female to PS/2 male

Part No.	Length	Housing	1	10	100
159089CJ	1.6"	Metal	$2.95	$2.65	$2.39
159097CJ	1.4"	Metal	2.95	2.65	2.39
189771CJ	1.7"	Plastic	2.95	2.65	2.39
316831CJ	2.0"	Plastic	1.79	1.59	1.39

Other Manufacturers — Great Deals

PS/2 Keyboard Adapter



- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)

Part No.	Length	Housing	1	10	100
157930CJ	1.7"	Plastic/metal	$2.65	$2.25	$1.69

Gender Benders Save Money



I have a box of cables for those "just in case" situations. I go to it five or six times a year. Usually a cable turns up that is almost right; perhaps a PS/2 extension cable when I need a PS/2 to AT cable.

My solution? While I have the most common cables in my stash box, I also keep a supply of gender benders (i.e., changers) with the cables. When a situation comes up, I usually have the solution immediately available. Later, I replace the improvised solution with the right cable and reclaim my gender changer(s). I'm a hero to the person with the problem, and I don't spend inordinate amounts of time looking for a solution.

Practical Practices
Money Saving Tips for the Engineer

Computer Card Brackets


Fig.: 1 2 3 4 5

- For securing cards into bus slots
- Fits standard PC/XT/AT cases
- Length: 4.75"
- See pg 107 for DB connectors

Part No.	Description	Fig.	1	10	100
11754CJ	Blank back panel	1	$1.79	$1.59	$1.45
101717CJ	For DB9 connector	2	1.79	1.59	1.45
101733CJ	For DB25 connector	3	1.79	1.52	1.14
101741CJ	For DC37 connector	4	1.79	1.52	1.14
101830CJ	For DB9/DB25 conn.	5	1.79	1.59	1.45

Panel Bracket Cable Assemblies

- Standard computer back panel brackets
- Length: 12"
- Ribbon cable with header connector


149614CJ

Quantity SAVE


149622CJ

355688CJ: 1 serial port
149614CJ: 2 serial ports
149622CJ: 1 parallel port
179995CJ: 1 parallel & 2 serial ports

Part No.	Description	1	10	25
355688CJ	DB9 to 10-pin header	$2.99	$2.84	$2.70
149614CJ	DB9M to 10-pin header DB25M to 10-pin header	4.95	4.45	3.33
149622CJ	DB25 to 26-pin header	4.95	3.75	2.65
179995CJ	DB9M to 10-pin header DB25M to 10-pin header DB25F to 26-pin header	1.19	1.01	.76

SCSI Adapters

SALE


125241CJ

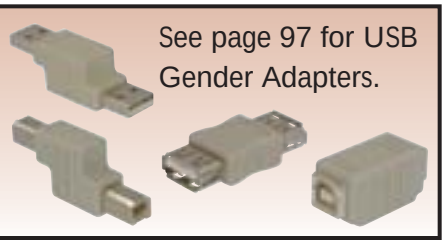

167370CJ

- See below for SCSI-type connector guide

Part No.	Description	1	10	50
125241CJ	50-pin ribbon header to HPDB50 SCSI-II female	$9.95	$8.45	$6.35
167370CJ	DB25 female to HPDB50 male SCSI-II	1.39	1.27	1.16

SCSI Type / Connector Reference Table

SCSI type	DB25	50-pin Centronics	50-pin Header	Half pitch DB50	Half pitch DB68	VHD68 Centronics	VHD80 Centronics
SCSI-I	✔	✔	✔				
SCSI-II			✔	✔			
SCSI-II wide					✔		
SCSI-III					✔	✔	
RAID: SCA, SCA-2							✔



See page 97 for USB Gender Adapters.

BNC Connectors and Adapters

- Frequency range: 0-4GHz
- Working voltage: 500V
- Contact plating: silver/gold
- Body plating: nickel/tin-lead
- Cable type:

223360CJ: RG55/141/142/223/400
223394CJ: RG59/62/71/140/210/302
223474CJ: RG59/62/140/210, Belden 8241/8263/8279/9209
223693CJ: RG5/9/87A/214/313/325

✪ Blue Part No. = Limited Quantity Available


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12

Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223431CJ	31-202	1	UG-88C/U	50Ω plug, straight, solder cup	**$4.35**	**$3.69**	**$2.65**
223360CJ	31-5	2	UG-89/U	50Ω jack, straight, clamp/solder	**5.05**	**4.54**	**3.35**
223378CJ	31-8 ✪	3	UG-274/U	50Ω/75Ω T-adapter, jack-plug-jack	**12.69**	**10.42**	**8.05**
223458CJ	31-208	3	UG-274A/U	50Ω T-adapter, jack-plug-jack	**8.59**	**6.59**	**6.49**
223394CJ	31-12	4	UG-260/U	50Ω plug, straight, clamp	**7.29**	**5.54**	**5.14**
223474CJ	31-212	4	UG-260B/U	50Ω plug, straight, clamp/solder	**4.19**	**3.21**	**2.95**
223415CJ	31-17	5	CW-159/U	50Ω male shorting cap	**6.09**	**5.73**	**4.36**
223440CJ	31-203	6	UG-290A/U	50Ω receptacle, straight/flange, solder cup	**7.25**	**5.73**	**4.24**
223482CJ	31-218	7	UG-491A/U	50Ω in-series adapter, plug-plug	**8.35**	**6.99**	**5.99**
223491CJ	31-219	8	UG-914/U	50Ω in-series adapter, jack-jack	**4.55**	**4.22**	**3.08**
223554CJ	31-3220	9	UG-492D/U	50Ω bulkhead adapter, straight, jack-jack	**10.25**	**8.83**	**7.19**
223511CJ	31-221	10	UG-1094/U	50Ω bulkhead receptacle, straight, solder cup	**3.15**	**2.43**	**1.75**
223538CJ	31-2221	11	UG-1094A/U	50Ω bulkhead receptacle, straight, solder cup	**2.89**	**2.48**	**1.81**
223520CJ	31-236	10	UG-625B/U	50Ω bulkhead receptacle, straight, pin/pin	**3.15**	**2.52**	**1.86**
223685CJ	5575	10	UG-625/U	50Ω bulkhead receptacle, solder	**4.15**	**3.36**	**3.08**
223693CJ	6775	12	UG-959/U	50Ω straight plug, clamp/solder	**12.59**	**9.56**	**8.54**

UHF Connectors and Adapters

- Frequency range: 0-300MHz
- Working voltage: 500V
- Contact plating: nickel & silver
- Cable type:

223600CJ/223677CJ: RG8/9/87A/214/313/225

✪ Blue Part No. = Limited Quantity Available


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6

Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223562CJ	83-1AP	1	UG-646/U	In-series right angle adapter, jack-plug	**$8.15**	**$7.59**	**$6.16**
223571CJ	83-1F	2	UG-363/U	In-series bulkhead adapter, socket-socket	**12.09**	**10.25**	**10.23**
223589CJ	83-1J	3	PL-258	In-series straight adapter, jack-jack	**9.69**	**7.12**	**5.59**
223837CJ	83-1T ✪	4	M-358	In-series T-adapter, jack-plug-jack	**11.25**	**8.65**	**6.55**
223597CJ	83-1R	5	SO-239	Panel receptacle, solder cup, PBT polyester insulator	**3.09**	**2.49**	**2.35**
223669CJ	83-798	5	SO-239A	Panel receptacle, solder cup, TFE insulator	**5.55**	**4.41**	**2.88**
223600CJ	83-1SP	6	PL-259	Straight plug, solder, diallyl phthalate insulator	**3.65**	**2.81**	**2.48**
223677CJ	83-822	6	PL-259	Straight plug, solder, TFE insulator	**3.95**	**3.02**	**2.48**

Connector Grades!

Connectors listed with a standard or UG# are INDUSTRIAL GRADE connectors which provide comparable performance and generally feature machine tooled, nickel plated brass bodies, Teflon insulators, and either gold or silver plated contacts. RFX designated parts are COMMERCIAL GRADE connectors which are typically low-cost connectors that use die-cast and molded components. Performance will not be equal to the industrial or military grade but is ideal for use on a variety of commercial applications. CONSUMER GRADE connectors are similar to commercial grade which are typically die-cast and molded connectors but are of lower cost. These connectors have limited mating capabilities and performance will not be equal to industrial or commercial grade. Typically these lower-cost connectors are used in consumer applications.

BNC 50Ω Cable Plugs

BNC 3-Piece

- Silver-plated
- Frequency range: 0-4GHz with low reflection
- Attachment (outer/inner): crimp/crimp

188306CJ: RG58/184
188349CJ: RG174/188/316


188306CJ


188349CJ

Part No.	Product No.	1	10	25
188306CJ	31-320-RFX	**$1.49**	**$1.26**	**$1.03**
188349CJ	31-315-RFX	**1.89**	**1.63**	**1.22**

BNC Adapters


188411CJ


188429CJ


188402CJ

- Frequency range: 0-4GHz with low reflection

188411CJ: Straight jack-to-jack
188429CJ: Jack-plug-jack
188402CJ: Gasketed jack-to-jack

Part No.	Product No.	1	10	25
188411CJ	31-219-RFX	**$2.99**	**$2.66**	**$1.99**
188429CJ	31-208-RFX	**4.15**	**3.37**	**2.56**
188402CJ	31-220G-RFX	**4.11**	**3.69**	**2.52**

Type N Crimp Plug

- Silver-plated
- RG58/141
- Attachment (outer/inner): crimp/crimp



Part No.	Product No.	1	10	25
188445CJ	82-5375-RFX	**$5.15**	**$4.35**	**$2.96**

SMA Brass Plug

- Frequency range: 0-18GHz
- Outer cable attachment: crimp
- Inner cable attachment: solder
- Construction: captive contact
- Type: crimp plug
- For RG174/U, RG188/U, and RG316/U cables



Part No.	Product No.	1	10	25
188488CJ	901-9877-RFX	**$3.45**	**$2.99**	**$2.39**

SMA PCB Jacks

- Application: cellular phone, data communication, instrumentation, and video
- 50Ω impedance
- Frequency range: 0-18GHz
- Temperature range: -65˚C to 165˚C


188509CJ


188525CJ

Part No.	Product No.	1	10	25
188509CJ	901-144-8-RFX	**$3.25**	**$2.73**	**$2.35**
188525CJ	901-143-6-RFX	**5.19**	**4.20**	**3.65**

Type N Adapter

- Male to male
- Nickel plated machined brass construction
- Gold plated contacts



Part No.	Description	1	10	25
309622CJ	N-series adapter	**$3.75**	**$2.99**	**$2.45**

BNC Connectors and Adapters

A Jameco EXCLUSIVE


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9

NEW


Fig. 10


Fig. 11


Fig. 12

Part No.	Mfr. Cross Ref.	Fig.	Industry No.	Description	1	10	25
355098CJ	31-2	1	—	50Ω BNC plug, clamp, for RG-58 /141/142/400 cable	$3.59	$2.75	$2.55
311343CJ	31-10-RFX	2	—	50Ω BNC jack, bulkhead	1.89	1.56	1.26
355101CJ	31-202	1	—	50Ω BNC plug, clamp, for RG-55/58/141/142/223/400 cable	3.59	3.07	2.23
355119CJ	31-203	3	UG-290A/U	50Ω BNC receptacle, panel mount, solder cup	5.65	4.42	3.28
355127CJ	31-208-RFX	4	UG-274A/U	50Ω BNC T-adapter, jack-plug-jack	3.29	2.81	1.92
355135CJ	31-212	1	UG-260B/U	50Ω BNC plug, clamp, for RG-59/62/71/140/210/302 cable	3.49	2.67	2.48
363961CJ	31-218	5	—	50Ω BNC straight adapter, plug-plug	7.69	5.91	4.88
355151CJ	31-219-RFX	6	—	50Ω BNC straight adapter, jack-jack	2.49	2.21	1.68
363979CJ	31-220G-RFX	7	—	50Ω BNC bulkhead adapter, jack-jack	2.75	2.47	1.69
355362CJ	6775	1		50Ω BNC plug, clamp/solder, for RG-8/9/87A/213/214/225	8.09	7.99	7.28
311319CJ	68175-5RFX	9	—	50Ω BNC 3-pc plug for RG-159	1.15	.98	.80
311327CJ	69475	1	—	50Ω BNC plug, clamp for RG-174/179/187/188/316	6.05	5.18	3.56
311351CJ	31-220N-RFX	7	—	50Ω BNC bulkhead adapter, jack-jack	2.59	2.24	1.55
355178CJ	31-221	8	UG-1094/U	50Ω BNC bulkhead receptacle w/ grounding lug, solder cup	2.09	1.61	1.18
311378CJ	31-315	9	—	50Ω BNC 3-pc cable crimp plug, for RG-174 cable	3.79	3.77	2.58
355215CJ	31-315-RFX	10	—	50Ω BNC 3-pc plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	1.55	1.36	1.03
355223CJ	31-318-RFX	11	—	50Ω BNC bulkhead jack, for RG-174/188/316 cable	2.95	2.75	2.22
355240CJ	31-320-RFX	10	—	50Ω BNC 3-pc plug, crimp, for RG-58/141 cable	1.19	1.05	.84
311394CJ	31-321	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cable	4.49	3.48	2.38
311408CJ	31-321-RFX	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cable	1.25	1.05	.86
355258CJ	31-2221	13	UG-1094A/U	50Ω BNC bulkhead receptacle, solder cup	2.39	2.06	1.52
311511CJ	31-70000	14	—	75Ω 3-pc plug, crimp, RG-6 type, Belden 9248/1694A	4.19	3.49	3.07
311520CJ	31-70008-1000	14	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cable, Belden 8241/8263/8279/9209 cable	5.85	4.48	3.07
311538CJ	31-71000-RFX	15	—	75Ω BNC 3-pc plug, crimp, for RG-6 type 0.295" O.D. cable, Belden 9248/1694A cable	1.89	1.78	1.37
311546CJ	31-71008-RFX	16	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cable, Belden 8241/8263/8279/9209 cable	1.25	1.05	.86
311554CJ	31-71013-RFX	17	—	75Ω BNC plug, crimp, for RG-179/187cable	1.55	1.36	1.05
311562CJ	31-71014-RFX	18	—	75Ω BNC jack, crimp, for RG-179/187cable	1.75	1.56	1.07
311571CJ	31-71032	19	—	75Ω BNC 3-pc plug, crimp, for Belden 8281/88281 cable	3.05	2.62	2.08
311589CJ	31-71033	20	—	75Ω BNC 3-pc plug, crimp, for Belden 8218 cable	2.89	2.70	1.89


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20

TNC Type Connector

A Jameco EXCLUSIVE

Part No.	Mfr. Cross Ref.	Fig.	Industry No.	Description	1	10	25
311415CJ	31-2367-RFX	21	—	50Ω TNC plug, crimp-crimp, for RG-58/141 cable	$1.25	$1.11	$.92


Fig. 21

Type N Connectors

A Jameco EXCLUSIVE

Part No.	Mfr. Cross Ref.	Fig.	Industry No.	Description	1	10	25
311600CJ	82-97-RFX	22	UG-58A/U	50Ω Type N receptacle jack, panel mount	$3.59	$2.56	$2.31
311618CJ	82-202-1006	23	—	50Ω Type N clamp plugs, for B9913/Amp TWB 4001 cable	6.59	4.97	4.07


Fig. 22


Fig. 23

SMA Connectors

A Jameco EXCLUSIVE

Part No.	Mfr. Cross Ref.	Fig.	Industry No.	Description	1	10	25
355282CJ	901-143-6RFX	24	—	50Ω SMA jack, right angle, PC mount	$4.29	$3.49	$3.07
355291CJ	901-9876-RFX	25	—	50Ω SMA plug, crimp, for RG-58C/U; RG58/U cables	2.55	2.21	1.80
355303CJ	901-9877-RFX	26	—	50Ω SMA plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cable	2.55	2.21	1.80


Fig. 24


Fig. 25


Fig. 26

MMCX Connector

A Jameco EXCLUSIVE

NEW

Part No.	Mfr. Cross Ref.	Fig.	Industry No.	Description	1	10	25
311686CJ	908-43200	27	—	50Ω MMCX right angle plug, crimp for RG-178/U cable	$6.35	$5.15	$4.97
311693CJ	904-43300	27	—	50Ω MMCX right angle plug, crimp for RG-174/188/316	7.09	6.29	5.59


Fig. 27

We carry major manufacturers – call for OEM PRICING.

BNC Coax Connectors

A Jameco EXCLUSIVE

- Miniature, lightweight units designed to operate up to 11GHz and typically yield low reflection up to 4GHz


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10

Part No.	Fig.	Description	1	10	100	500
71458CJ	1	BNC male terminator (50Ω)	$1.55	$1.15	$.99	$.89
71790CJ	1	BNC male terminator (75Ω)	1.35	1.09	.89	.73
135618CJ	2	BNC male with pin and ferrule (RG6)	.89	.69	.45	.39
71482CJ	2	BNC male with pin and ferrule (RG58)	1.65	1.49	1.35	1.25
71271CJ	2	BNC male with pin and ferrule (RG59/62)	.81	.66	.59	.54
112109CJ	2	BNC male with pin and ferrule (RG174)	1.59	1.45	1.29	1.15
119394CJ	3	BNC male clamp-on (RG59/62)	1.39	1.25	1.15	.89
108994CJ	4	BNC male twist-on (RG58)	1.49	1.35	1.19	.95
71781CJ	4	BNC male twist-on (RG59/62)	1.09	.99	.89	.79
71589CJ	5	BNC female panel mount (UG-1094A)	1.49	1.35	1.25	1.09
71909CJ	6	BNC female/female coupler (UG-914)	1.29	.99	.85	.74
127343CJ	7	BNC male/male coupler (UG-491B/U)	1.99	1.79	1.39	1.29
111561CJ	8	BNC female isolated bulkhead	2.29	1.99	1.79	1.59
148224CJ	9	BNC female bulkhead feed-thru.	1.99	1.79	1.59	1.39
148232CJ	9	BNC female isolated bulkhead feed-thru.	2.49	2.25	1.79	1.35
127351CJ	10	BNC M-F right angle (DG-306B/O)	2.49	2.19	1.85	1.59
160928CJ	11	BNC female, crimp type (RG58)	1.25	1.09	.99	.89
161921CJ	11	BNC female, crimp type (RG174)	1.49	1.35	1.19	1.05
174289CJ	12	BNC female chassis mount	1.19	.98	.88	.79
174297CJ	13	BNC female twist-on bulkhead	2.25	2.02	1.62	1.22
174254CJ	14	BNC male to F connector female	1.99	1.59	1.45	1.19
207183CJ	15	BNC male to RG58/59 crimp on	3.99	3.59	2.89	2.15


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15

BNC PCB Connectors

A Jameco EXCLUSIVE

- Maintains matching impedance at 50Ω & 75Ω
- Ideal for LAN cards & precision video

Part No.	Description	Length (L)	1	10	100	500
146510CJ	BNC female R/A plastic insulation	1.37"	$1.95	$1.75	$1.49	$1.25
161656CJ	BNC female right-angle metal	.861"	2.29	1.99	1.79	1.59

146510CJ



161656CJ



Other Manufacturers — Great Deals

- Length: .830"

SALE

Part No.	Description	1	10	100	500
210884CJ	BNC female straight/panel mount metal	$1.35	$1.20	$1.09	$.99



BNC Adapters

A Jameco EXCLUSIVE

- Silver-plated
- General purpose coax T-adapter
- ThinNet/Ethernet LAN adapter

Part No.	Description	1	10	100	500
118594CJ	Male to female/female T-adapter	$2.39	$2.15	$1.75	$1.25
207095CJ	Female to male/male T-adapter	6.99	6.25	5.59	4.99
72629CJ	Female to female/female T-adapter	2.49	2.25	1.99	1.69
207087CJ	Female to male/female T-adapter	9.95	8.95	6.45	5.39
100597CJ	Male to female/female T-adapter (180°)	5.99	5.39	4.85	3.99
207116CJ	Male to female/female/female T-adapter	7.19	6.45	5.79	4.95
117461CJ	Male to female/female F-adapter (90°)	4.29	3.89	3.49	2.99
207124CJ	Male/male to female/female T-adapter	4.49	4.05	3.25	2.45
207167CJ	RCA female to BNC female	1.99	1.79	1.59	1.39
114788CJ	RCA female to BNC male adapter	1.35	1.05	.99	.98
207175CJ	RCA male to BNC male	1.99	1.79	1.59	1.39
114753CJ	RCA male to BNC female adapter	1.59	1.45	1.29	1.09
114770CJ	BNC female to "F" connector male adapter	1.79	1.59	1.39	1.19
207141CJ	3.5mm mono male to BNC female	1.69	1.49	1.27	.95


118594CJ


207095CJ


72629CJ


207087CJ


100597CJ


207116CJ


117461CJ


207124CJ


207167CJ


114788CJ


207175CJ


114753CJ


114770CJ


207141CJ

BNC Male Coax Cables


181307CJ


152311CJ

A Jameco EXCLUSIVE

RG6 75Ω Cables

Part No.	Description	1	10	50	100
176794CJ	3' BNC to BNC	$3.95	$3.55	$3.19	$2.89
176815CJ	6' BNC to BNC	4.95	4.49	4.05	3.35

RG58/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Mfr. Cross Ref. No.	Length (ft.)	1	10	50	100
181307CJ	CRG58-1RR	1	$3.65	$3.29	$2.95	$2.75
102314CJ	CRG58-1	1.5	3.99	3.39	2.87	2.15
256743CJ	CBB-224-24	2	9.75	9.39	8.89	7.99
11404CJ	CRG58-3	3	4.29	3.89	3.49	3.15
102331CJ	CRG58-6	6	4.39	3.99	3.59	3.19
152311CJ	RG58MF-6*	6	2.95	2.66	2.12	1.59
180822CJ	CRG58-10	10	4.49	3.99	3.40	2.99
102349CJ	CRG58-12	12	4.95	4.49	3.99	3.39
169818CJ	CRG58-15	15	4.95	4.46	3.56	2.67
102381CJ	CRG58-100	100	13.49	12.14	9.71	7.28

*152311CJ has male & female coax

Other Manufacturers — Great Deals

Part No.	Mfr. Cross Ref. No.	Length (ft.)	1	10	50	100
102357CJ	CRG58-25	25	$6.49	$5.84	$4.67	$3.44
102365CJ	CRG58-50	50	9.49	8.54	6.83	5.12
319644CJ	205-5100	100	17.09	16.25	15.45	14.65

RG59/U 75Ω Cables

- For CATV and video patch cords


85542CJ

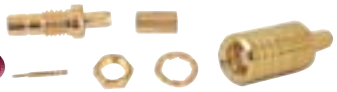
Part No.	Mfr. Cross Ref. No.	Length (ft.)	1	10	50	100
86471CJ	CRG59-1	1.5	$2.99	$2.69	$2.45	$2.19
85542CJ	CRG59-6	6	3.75	3.39	2.73	2.05
102373CJ	CRG59-12	12	5.49	4.95	4.45	3.99
262730CJ	EBC-525	25	9.95	8.95	8.05	7.25
262748CJ	EBC-550	50	17.05	16.25	15.45	14.69
262764CJ	EBC-510	100	30.39	28.89	27.45	25.99

RG174/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Mfr Cross Ref. No.	Length (ft.)	1	10	50	100
111472CJ	RG174U3	3	$3.85	$3.49	$3.15	$2.85
111481CJ	RG174U6	6	4.59	4.15	3.75	3.35

SMB Connectors

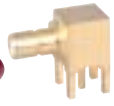


172363CJ 172371CJ

- For use with RG-174 coax
- 50Ω crimp type • Gold plated
- Use with crimping tool P/N 114534CJ, pg 242

Part No.	Description	1	10	50
172363CJ	Bulkhead crimp jack	$3.49	$2.95	$2.49
172371CJ	Cable crimp plug	4.29	3.89	3.49

SMB PCB Connector



- 0-4GHz electrical performance
- Gold plated brass
- Insulation: teflon
- Contact: beryllium copper

Part No.	Description	1	10	50
167311CJ	Right angle PCB	$4.45	$3.89	$3.25

SMA/SMB 50Ω Coax Cables

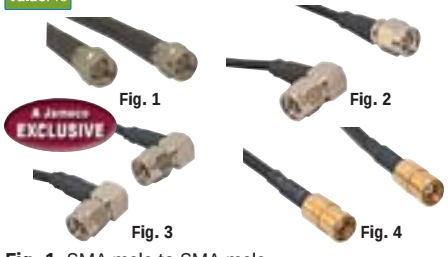


Fig. 1 Fig. 2 Fig. 3 Fig. 4

Fig. 1: SMA male to SMA male
Fig. 2: SMA male to SMA right angle male
Fig. 3: SMA right angle male to SMA right angle male
Fig. 4: SMB plug to SMB plug

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370CJ	RG-58	1	2	$4.49	$3.99	$3.49
159396CJ	RG-58	1	6	5.49	4.89	4.19
169800CJ	RG-174	1	0.5	5.59	4.99	4.55
163854CJ	RG-174	1	1	4.49	3.95	3.39
153381CJ	RG-174	1	2	4.95	4.29	3.39
153390CJ	RG-174	1	4	5.49	4.75	4.29
159450CJ	RG-174	1	6	6.79	6.15	5.55
175126CJ	RG-174	2	0.5	4.49	3.95	3.49
175134CJ	RG-174	2	1	4.95	4.25	3.75
175142CJ	RG-174	3	0.5	5.75	5.25	4.49
175151CJ	RG-174	3	1	6.25	5.75	4.75
175169CJ	RG-174	4	0.5	4.25	3.19	2.80
175177CJ	RG-174	4	1	5.29	4.79	3.95

SMA Connectors, Adapters and Couplers



157972CJ 153365CJ 145381CJ 145373CJ 153285CJ 159530CJ

- Application: cellular phone, data communication, instrumentation, and video
- Frequency range: 0-18GHz • 50Ω impedance
- Temperature range: -65˚C to 165˚C • Plating: gold and nickel



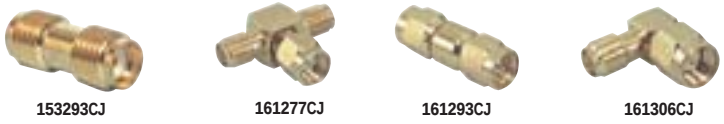
160021CJ 160012CJ

Connectors

Part No.	Description	Cable Type	Plated	1	10	50	100
157972CJ	SMA 50Ω crimp type male plug connector	RG-58	Gold	$3.99	$3.59	$3.29	$2.99
153365CJ	SMA 50Ω crimp type male plug connector	RG-174	Gold	4.39	3.95	3.55	3.19
145381CJ	SMA straight female PCB mount connector, 4 legs	—	Gold	5.25	4.75	4.25	3.49
145373CJ	SMA 90˚ female PCB mount connector, 4 legs	—	Gold	7.39	6.65	5.95	5.39
153285CJ	SMA bulkhead solder female w/ washer, rear mount	RG-58/174	Gold	3.49	3.15	2.85	2.59
159530CJ	SMA female panel mount conn., 4 mounting holes*	RG-58/174	Gold	2.95	2.65	2.35	2.10
160021CJ	SMA female panel mount conn., 2 mounting holes*	RG-58/174	Gold	3.99	3.59	3.25	2.95
160012CJ	Panel mount feed thru connector female – female	—	Nickel	4.99	4.49	3.99	3.49

*159530CJ/160021CJ: Solder cup

Couplers



153293CJ 161277CJ 161293CJ 161306CJ

Part No.	Description	Plated	1	10	50	100
153293CJ	SMA straight coupler female – jack-to-jack	Gold	$3.85	$3.39	$2.19	$1.79
161277CJ	SMA 3-way coupler, 1 male – 2 female	Gold	3.49	3.15	2.85	2.45
161293CJ	SMA straight coupler male – male	Gold	3.65	3.29	2.95	2.75
161306CJ	SMA right angle coupler male – female	Gold	4.99	4.49	3.99	3.65

SMA to BNC Adapters



153453CJ 159468CJ 153592CJ 159476CJ

Part No.	Description	Plated	1	10	50	100
153453CJ	SMA female to BNC male adapter	Nickel	$2.49	$2.25	$1.99	$1.79
159468CJ	SMA female to BNC female adapter	Nickel	2.69	2.45	2.19	1.99
153592CJ	SMA male to BNC male adapter	Nickel	3.99	3.59	3.19	2.89
159476CJ	SMA male to BNC female adapter	Nickel	2.99	2.69	2.45	2.19

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75Ω "F" Connectors/Adapters/Terminators



Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6

Part No.	Product No.	Fig.	Description	1	10	50	100
291581CJ	200-016	1	Perma-seal, RG-59 coax	$.69	$.59	$.55	$.49
291531CJ	200-028	1	Perma-seal, RG-6 coax	.69	.59	.55	.49
291709CJ	200-050	2	F-jack to jack (nickel)	.65	.55	.475	.38
291725CJ	200-051	2	F-jack to jack (gold)	.95	.85	.79	.75
295371CJ	200-053	3	F-panel mount jack to jack (nickel)	.65	.55	.475	.38
295380CJ	200-107	4	F-R/A jack to plug (nickel)	1.59	1.39	1.16	.95
295451CJ	200-075	5	F-plug terminator	.55	.45	.35	.25
309657CJ	200-045	6	RCA female to F male adapter	1.75	1.35	.97	.87

75Ω "F" Connectors



289828CJ (Fig. 1) 289916CJ (Fig. 2) 290001CJ (Fig. 3) 289924CJ (Fig. 4)

Part No.	Product No.	Fig.	Description	1	10	50	100
289828CJ	200-030	1	RG-59 crimp-on nickel plated	$.22	$.20	$.17	$.14
289908CJ	200-031	1	RG-59 crimp-on gold plated	.45	.43	.41	.39
289887CJ	200-035	2	RG-6 crimp-on nickel plated	.22	.20	.17	.14
289916CJ	200-036	2	RG-6 crimp-on gold plated	.45	.43	.41	.39
290001CJ	200-039	3	RG-6 twist-on nickel plated	.79	.69	.45	.32
289975CJ	200-040	3	RG-59 twist-on nickel plated	.79	.69	.45	.32
289924CJ	200-038	4	RG-6 crimp-on weatherproof seal, brass	.69	.59	.49	.39
314510CJ	200-024	4	RG-6 crimp-on weatherproof seal	.55	.46	.37	.33

Terminal Blocks and Header

DINKLE OST

- For detailed specifications, please see our website at www.Jameco.com
- **164814CJ**: Male header (.197") for use with 164793CJ and 164806CJ

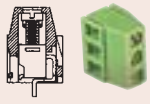


Fig. 1 (99397CJ)

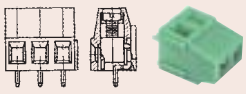


Fig.2 (160784CJ)



Fig. 3 (161066CJ)



Fig. 4 (189675CJ)

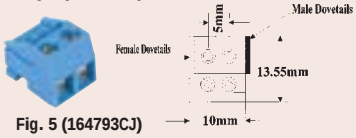


Fig. 5 (164793CJ)



Fig. 6 (164806CJ)



Fig. 7 (249084CJ)

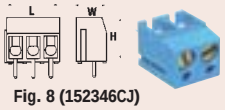


Fig. 8 (152346CJ)



Fig. 9 (164814CJ) use with Fig. 5 & 6

Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99426CJ	Dinkle	DT128/2	1	2	.197"/5mm	$.72	$.55	$.44	$.40
99397CJ	Dinkle	DT128V3P	1	3	.197"/5mm	.99	.89	.79	.59
160784CJ	Dinkle	EK500V-02P	2	2	.197"/5mm	.65	.55	.45	.39
160792CJ	Dinkle	EK500V-03P	2	3	.197"/5mm	.95	.85	.75	.69
161066CJ	Dinkle	EK500A-02P	3	2	.197"/5mm	.75	.65	.49	.39
161058CJ	Dinkle	EK500A-03P	3	3	.197"/5mm	.95	.85	.75	.69
189675CJ	OST	EDC500/2DS	4	2	.197"/5mm	.79	.71	.64	.58
189667CJ	OST	EDC500/3DS	4	3	.197"/5mm	.89	.80	.72	.61
164793CJ	OST	EDC130/2DS	5	2	.197"/5mm	.59	.53	.47	.42
164806CJ	OST	EDC130/3DS	6	3	.197"/5mm	.84	.76	.62	.54
249084CJ	OST	EDZ750/3	7	3	.200"/5.08mm	1.49	1.39	1.19	.89
152346CJ	OST	EDC120/2DS	8	2	.200"/5.08mm	.65	.55	.45	.39
152354CJ	OST	EDC120/3DS	8	3	.200"/5.08mm	.47	.44	.39	.30
164814CJ	OST	EDSTL130/24	9	24	.197"/5mm	2.19	1.97	1.58	1.18

Cinch Double Row Terminal Blocks

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- Voltage rating: 250VAC RMS max.
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Eyelet material: brass with nickel plating
- Screw material: steel with nickel over copper flash plating
- Solder terminal material: brass with electro-tin plating



230990CJ



231378CJ

140 Series 15A

- 3750-watts per terminal max.
- 16 AWG wire max. • Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16" • Density: .375"

Part No.	Prod. No.	Pos.	Length	1	10	100
230973CJ	2-140	2	1.41"	$.99	$.89	$.74
230981CJ	3-140	3	1.78"	1.29	1.15	.95
230990CJ	4-140	4	2.16"	1.45	1.29	1.05
231001CJ	5-140	5	2.53"	1.59	1.44	1.18
231010CJ	6-140	6	2.91"	1.99	1.79	1.48
231028CJ	7-140	7	3.28"	2.19	1.95	1.59
231036CJ	8-140	8	3.66"	2.49	2.24	1.83
231044CJ	9-140	9	4.03"	2.79	2.49	2.03
231052CJ	10-140	10	4.41"	3.25	2.89	2.35
231061CJ	12-140	12	5.16"	3.55	3.15	2.59

141 Series 20A

- 5000-watts per terminal max.
- 14 AWG wire max. • Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4" • Density: .438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231351CJ	2-141	2	1.63"	$.99	$.85	$.72
231360CJ	3-141	3	2.10"	1.69	1.45	1.09
231378CJ	4-141	4	2.50"	1.79	1.59	1.25
231386CJ	5-141	5	2.94"	1.85	1.64	1.33
231394CJ	6-141	6	3.38"	1.99	1.75	1.45
231407CJ	7-141	7	3.81"	2.49	2.25	1.85
231415CJ	8-141	8	4.25"	2.79	2.35	1.94
231423CJ	9-141	9	4.69"	2.99	2.59	2.19
231431CJ	10-141	10	5.13"	3.19	2.79	2.29
231440CJ	12-141	12	6.00"	3.59	3.29	2.69

OST DIN Rail-Mounted Terminal Block and DIN Rail

Foot snaps onto standard DIN and DIN 2 rails.
Terminals are positively retained on rails, but can be removed without disturbing adjacent units.

- Molded thermoplastic • Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A • 14-22 AWG

237083CJ





248735CJ
Sold in 1 meter (39") length

Part No.	Product No.	Type	1	10	100
237083CJ	41296.2	SR2.5	$.89	$.79	$.69
248735CJ	2094.0	TS35 x 7.5 (35mm width x 7.5mm depth)	6.79	5.45	4.10

JAMECO ValuePro European Terminal Blocks

- Number of poles: 12
- 1.2mm raised base
- Working temperature: 230˚F (110˚C)
- Material: Polyamide 66 (nylon 66), UL94V-2, natural • Voltage: 600V
- Terminal insert: brass metal alloy, nickel plated
- Wire protector: stainless steel spring
- Screws: zinc plated, yellow chromed

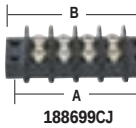


215010CJ

A Jameco EXCLUSIVE

Part No.	Prod. No.	Amps	AWG	1	10	100
215010CJ	PA8H	20A	12-22	$1.79	$1.59	$1.29
215028CJ	PA10H	30A	10-22	1.89	1.69	1.39
215036CJ	PA12H	35A	10-22	2.59	2.29	1.99

KULKA® 601 GP Series Double Row Terminal Blocks



188699CJ



188672CJ

- Base: general purpose phenolic; 150˚C
- Screws: #6-32, binder head, phillips-slot
- Terminals: brass plated • Width (W): 1.12"
- .437" (11 mm) centers • Height (H): .50"
- 1100Vrms; 20A ratings; for 14-16 AWG wires
- Open block design
- UL/CSA/CE approved

Part Number	Product Number	Poles	Dimensions A"	B"	1	10	50
188699CJ	601GP4	4	2.19	2.50	$1.69	$1.49	$1.35
188681CJ	601GP6	6	3.06	3.38	2.39	2.19	1.89
188672CJ	601GP8	8	3.94	4.25	2.95	2.75	2.49
188664CJ	601GP10	10	4.81	5.13	3.49	3.25	2.95
188701CJ	601GP12	12	5.69	6.00	5.49	4.95	3.95

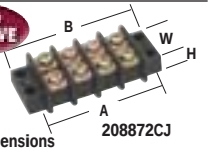
JAMECO ValuePro Metric Double Row Terminal Blocks

- Body material: black thermoplastic (UL94V-0)
- Terminals: brass tin plated • 12-18 AWG
- Screws: steel nickel plated
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC

10A @ 600V

- Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm

A Jameco EXCLUSIVE



208872CJ

Part Number	Product Number	Poles	Dimensions A	B	1	10	50
208856CJ	GGE-10-4P	4	47.5	55	$.99	$.89	$.79
208864CJ	GGE-10-6P	6	64.5	74	1.39	1.25	1.15
208872CJ	GGE-10-8P	8	95	102.5	1.69	1.59	1.49
208899CJ	GGE-10-10P	10	104.5	112	2.39	2.15	1.89
208881CJ	GGE-10-12P	12	123.5	131	2.79	2.49	2.25

20A @ 600V

- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm



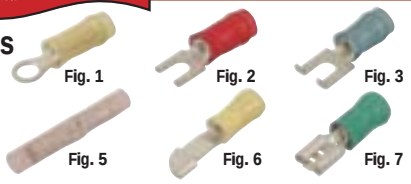
207571CJ

Part Number	Product Number	Poles	Dimensions A	B	1	10	50
207538CJ	GGE-20-4P	4	54.5	63.5	$1.39	$1.25	$1.10
207546CJ	GGE-20-6P	6	76.3	85.3	1.99	1.79	1.59
207554CJ	GGE-20-8P	8	98.1	107.1	2.59	2.35	2.15
207562CJ	GGE-20-10P	10	119.9	128.9	3.29	2.99	2.69
207571CJ	GGE-20-12P	12	141.7	150.7	3.59	3.19	2.79

AMP P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

Designed for complete and uniform reliability. Nylon insulated terminals feature a tin plated copper body with copper sleeve fitted over the terminal barrel to provide maximum insulation support.

- High dielectric strength
- Temperature rating: 105°C
- Funnel ramp entry
- Copper support sleeve for insulation
- Meets MIL-T-7928



Ring Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302594CJ	323912	1	#2	26-22	Yellow	$.21	$.208	$.186
302607CJ	323914	1	#4	26-22	Yellow	.22	.215	.192
302615CJ	323915	1	#6	26-22	Yellow	.21	.208	.186
302623CJ	323916	1	#8	26-22	Yellow	.26	.251	.224
302631CJ	324075	1	#10	26-22	Yellow	.29	.283	.171
302640CJ	328657	1	#2	22-16	Red	.21	.208	.186
302658CJ	31880	1	#4	22-16	Red	.21	.19	.15
302666CJ	36152	1	#6	22-16	Red	.20	.145	.133
302674CJ	31890	1	#8	22-16	Red	.20	.15	.133
302682CJ	36154	1	#10	22-16	Red	.20	.15	.133
302691CJ	31894	1	1/4"	22-16	Red	.26	.251	.172
302703CJ	31895	1	5/16"	22-16	Red	.25	.242	.215
302711CJ	31897	1	3/8"	22-16	Red	.31	.305	.176
302720CJ	320619	1	#6	16-14	Blue	.20	.145	.133
302738CJ	320565	1	#8	16-14	Blue	.20	.145	.133
302746CJ	36160	1	#10	16-14	Blue	.20	.145	.133
302754CJ	321045	1	1/4"	16-14	Blue	.20	.169	.162
302762CJ	328998	1	5/16"	16-14	Blue	.25	.244	.167
302771CJ	328999	1	3/8"	16-14	Blue	.29	.284	.172
302789CJ	35149	1	#6	12-10	Yellow	.28	.182	.17
302797CJ	35108	1	#8	12-10	Yellow	.20	.189	.171
302800CJ	35109	1	#10	12-10	Yellow	.20	.189	.171
302818CJ	35110	1	1/4"	12-10	Yellow	.33	.327	.218
302826CJ	35111	1	5/16"	12-10	Yellow	.33	.327	.218
302834CJ	35112	1	3/8"	12-10	Yellow	.33	.327	.218
302842CJ	35151	1	1/2"	12-10	Yellow	.52	.286	.268

Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851CJ	328394	2	#2	22-16	Red	$.21	$.208	$.185
302869CJ	327717	2	#4	22-16	Red	.26	.253	.225
302877CJ	34541	2	#6	22-16	Red	.20	.145	.133
302885CJ	32053	2	#8	22-16	Red	.21	.208	.185
302893CJ	32054	2	#10	22-16	Red	.21	.208	.175
302906CJ	35559	2	#6	16-14	Blue	.21	.208	.146
302914CJ	32059	2	#8	16-14	Blue	.21	.208	.185
302922CJ	321233	2	#8	16-14	Blue	.24	.236	.21
302931CJ	32060	2	#10	16-14	Blue	.24	.236	.146
302949CJ	326859	2	#6	12-10	Yellow	.42	.416	.37
302957CJ	32588	2	#8	12-10	Yellow	.31	.309	.275
302965CJ	32589	2	#10	12-10	Yellow	.30	.256	.24

Flanged Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302973CJ	324608	3	#2	22-16	Red	$.28	$.273	$.243
302981CJ	32562	3	#6	22-16	Red	.23	.227	.158
302990CJ	32498	3	#8	22-16	Red	.50	.451	.438
303001CJ	320861	3	#6	16-14	Blue	.24	.23	.159
303010CJ	320862	3	#8	16-14	Blue	.24	.23	.204
303028CJ	320863	3	#10	16-14	Blue	.23	.224	.199
303036CJ	325150	3	#6	12-10	Yellow	.59	.493	.461
303044CJ	32510	3	#8	12-10	Yellow	.25	.223	.19
303052CJ	324015	3	#10	12-10	Yellow	.39	.288	.269

Short Spring Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
303061CJ	82927	4	#4	22-16	Red	$.22	$.209	$.186
303079CJ	52929	4	#6	22-16	Red	.25	.238	.164
303087CJ	52930	4	#8	22-16	Red	.25	.238	.212
303095CJ	52931	4	#10	22-16	Red	.35	.345	.258
303108CJ	52935	4	#6	16-14	Blue	.25	.238	.164
303116CJ	52936	4	#8	16-14	Blue	.28	.27	.24

Short Spring Spade Tongue Terminals (Continued)

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
303124CJ	52937	4	#10	16-14	Blue	$.28	$.27	$.24
303132CJ	52941	4	#6	12-10	Yellow	.32	.31	.248
303141CJ	52942	4	#8	12-10	Yellow	.36	.35	.282
303159CJ	52943	4	#10	12-10	Yellow	.36	.351	.282

Butt & Knife Disconnect Splices

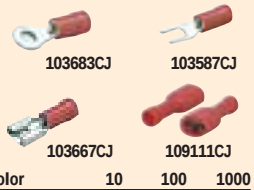
Part No.	Product No.	Fig.	Description	Wire (AWG)	Color	1	10	100
303167CJ	323994	5	Butt	26-22	Yellow	$.39	$.339	$.317
303175CJ	320559	5	Butt	22-16	Red	.50	.496	.356
303183CJ	320562	5	Butt	16-14	Blue	.57	.496	.295
303191CJ	320570	5	Butt	12-10	Yellow	.85	.82	.499
303204CJ	32446	6	Knife disconn.	22-16	Red	.42	.411	.27
303212CJ	32448	6	Knife disconn.	16-14	Blue	.42	.411	.27
303221CJ	35762	6	Knife disconn.	12-10	Yellow	1.45	1.24	1.11

Fast-On Receptacles

Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303239CJ	60894-1	7	.110 x .032	22-18	Natural	$.24	$.232	$.168
303247CJ	640923-1	7	.110 x .020	22-18	Red	.22	.214	.163
303255CJ	640917-1	7	.187 x .020	22-18	Red	.20	.162	.13
303263CJ	640909-1	7	.205 x .020	22-18	Red	.22	.214	.163
303271CJ	640911-1	7	.205 x .032	22-18	Red	.22	.214	.163
303280CJ	640903-1	7	.250 x .032	22-18	Red	.20	.16	.13
303298CJ	640929-1	7	.110 x .020	16-14	Blue	.22	.214	.163
303301CJ	640919-1	7	.187 x .020	16-14	Blue	.22	.214	.163
303319CJ	640915-1	7	.205 x .032	16-14	Blue	.22	.214	.163
303327CJ	640905-1	7	.250 x 0.32	16-14	Blue	.20	.162	.16
303335CJ	42844-1	7	.250 x .032	14-12	Green	.31	.30	.215
303343CJ	640907-1	7	.250 x .032	12-10	Yellow	.25	.237	.166

Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Funnel ramp entry
- Temperature to 105°C
- Use with crimping tool P/N 72995CJ, pg 242
- ***Sold in increments of 10, 100 or 1000***



Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103683CJ	Ring solderless	#6	22-16	Red	$.11	$.07	$.05
103587CJ	Spade solderless	#6	22-16	Red	.13	.06	.05
103595CJ	Spade solderless	#8	16-14	Blue	.12	.068	.06

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106921CJ	Female	.187"	22-16	Red	$.12	$.07	$.05
103667CJ	Female	.25"	22-16	Red	.12	.07	.05
109111CJ	Female w/ hood	.25"	22-16	Red	.17	.11	.055

171-Pc. Solderless Terminal Kit

- Clear, hinged plastic box
- Use crimping tool P/N 72995CJ, pg 242



Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	–
15	Ring term.	16-14	#6	10	Butt conn.	16-14	–
10	Ring term.	16-14	#8	5	Butt conn.	12-10	–

Part No.	Description	1	10	25
10989CJ	Terminal kit (170 terminals and connectors)	$8.95	$7.95	$7.25

3M Spring Connectors


285683CJ


285691CJ


285704CJ

This simplifies selection of the right connector for a wide range of wiring jobs. There's also less inventory to manage, and a better chance you'll have the connector you need to do every job.

285683CJ: 2#22 to 2#12AWG, orange with blue skirt; replaces the orange, blue, and gray wire nut style connectors as well as 70% of the yellow wire nut and wing style connectors

285691CJ: 2#18 to 2#8 to 5#12 AWG, red with yellow skirt, replaces both red and yellow wing style connectors

285704CJ: 4#14 to 2#6 to 3#8 AWG, blue with gray skirt, covers both the large blue and gray connectors

- **Prepackaged: order in increments of 10 or 100**

Part No.	Product No.	10	100	500
285683CJ	3M O/B+	$.084	$.075	$.071
285691CJ	3M R/Y+	.132	.106	.10
285704CJ	3M B/G+	.41	.37	.32

Wire Connectors


182449CJ


182511CJ


140716CJ

- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Strip wire before application • Twist on type
- Material: PVC with metal spring, except P/N 182449CJ nylon 66, 94-2 and P/N 140716CJ PE - metal inside

182449CJ: UL/CSA approved

- **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	Color	10	100	1000
182449CJ	Crimp 16-14 AWG*	Nat	$.06	$.055	$.049
182511CJ	Wire-nut 16 AWG	Blue	.045	.04	.035
140716CJ	Wire IDC 22-18 AWG	Red	.15	.14	.10

* Requires crimping tool (P/N 72995CJ, pg 242)

Telecom Splice Connectors


169754CJ


169746CJ

- Provides clean, solid, and rapid connection of wires to keep communication lines free of noise
- Available to handle a wide range of conductor sizes

169754CJ: Y-type

- **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Color	Wire Gauge	No. of Conductors	10	100	1000
169746CJ	Yellow	22–26	2	$.11	$.10	$.08
169754CJ	Red	19–263Y	3Y	.15	.14	.12

Table Top Power Supplies and Wall Adapters, see pages 179-188.

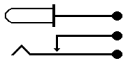


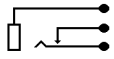


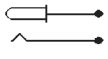
Power/Audio/RCA Plugs and Jacks, see pages 104 & 105.

Male & Female Power Jacks

- Use with mating power plugs, below
- Dimensions do not include barrel

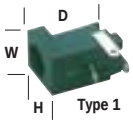

Circuit 1


Circuit 2


Circuit 3

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

Terminals	Code
Solder eyelet	A
PC board	B



Type 1


Type 2


Type 3


Type 4


Type 5


Type 6


Type 7


Type 8

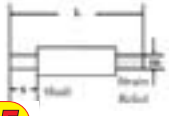

Type 9

Part Number	Mfr. Cross Ref. No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (below)	Pricing 1	10	100	1000
1.3 mm Male Jacks									
101194CJ	PP024	6.0 x 6.0 x 9.0	7/D	1/B	1.3 mm female	$.62	$.48	$.44	$.36
265421CJ	420ECS	7.3 x 5.0 x 11.5	1/D	1/B	1.3 mm female	.69	.55	.49	.45
2.1 mm Male Jacks									
101178CJ	PP014	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm female	$.49	$.44	$.39	$.35
137672CJ	PP013	10.9 x 9.0 x 14.5	4/D	3/A	2.1 mm female	.40	.36	.32	.29
151589CJ	DPJ-02IA	13.0 x 12.6 Dia.	6/C	1/A	2.1 mm female	1.09	.93	.70	.65
151554CJ	DPJ-026	15.1 x 8.0 Dia.	5/E	1/A	2.1 mm female	1.49	1.25	1.05	.89
159610CJ	PJ1014A	35.8 x 12.6 Dia.	9/F	3/A	2.1 mm female	1.49	1.25	1.09	.89
2.5 mm Male Jacks									
207714CJ	HEC0470	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm female	$.45	$.35	$.29	$.25
101186CJ	PP014A	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm female	.59	.53	.42	.32
151562CJ	DPJ-026A	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm female	1.49	1.24	1.13	.99
159505CJ	PJ1015A	35.8 x 12.6 Dia.	9/F	3/A	2.5 mm female	1.39	1.25	1.13	1.01
202358CJ	HD2388	17.0 x 12.0 Dia.	6/C	3/A	2.5 mm female	1.09	.98	.88	.79
3.5 mm Female Jacks									
101143CJ	PJ0352	10.0 x 10.0 x 18.5	2/E	2/A	3.5 mm male	$.35	$.32	$.25	$.19
109495CJ	PJ035PM	10.5 x 9.0 x 8.8	3/C	2/A	3.5 mm male	.45	.40	.36	.32
165729CJ	PJ0354	8.9 x 5.7 Dia.	8/C	3/A	3.5 mm male	.69	.59	.49	.39

Male & Female Power Plugs

- Use with mating power jacks found in table, above
- Solder eyelets 1mm diameter
- Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 185-188
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280CJ, to make custom length power cables, pg 94

SALE


Female (1)


Male (2)


Strain Relief (A)


Female Right Angle (B)


Hard Plastic Strain Relief (C)

Part Number	Mfr. Cross Ref. No.	Description Plug ID x OD (mm)	Dimensions (mm) S (shaft) x L x ID (strain relief)	Type	Pricing 1	10	100	1000
Female Plugs								
71191CJ	PP137	1.3 x 3.5	9.6 x 43.9 x 4.8 (black)	1/A	$.79	$.71	$.65	$.59
191484CJ	PP049W	2.1 x 5.5	9.6 x 43.9 x 4.5 (white)	1/A	.69	.62	.56	.50
28759CJ	PP049	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (black)	1/A	.59	.49	.39	.29
147328CJ	PP049L	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (black)	1/A	.69	.62	.56	.50
138587CJ	PJ021R	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (black)	1/B	.79	.63	.55	.49
190537CJ	PP109S	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (black)	1/A	.39	.32	.29	.19
28767CJ	PP109	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (black)	1/A	.59	.49	.39	.33
191492CJ	PP109W	2.5 x 5.5	10.1 x 45.4 x 4.5 (white)	1/A	.39	.35	.32	.26
147336CJ	PP109L	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (black)	1/A	.75	.68	.61	.55
168241CJ	PP109N	2.5 x 5.5	13.7 x 36.5 x 3.9 (black)	1/C	.59	.49	.43	.35
Male Plugs								
101135CJ	PJ1025	2.5 (P201)	11.1 x 49.0 x 4.3 (black)	2/A	$.59	$.53	$.39	$.29
147459CJ	PJ1025L	2.5 (P201L)	10.5 x 48.0 x 5.0 (black)	2/A	.39	.27	.26	.22
101151CJ	PJ1035	3.5 (P202)	13.8 x 51.8 x 4.2 (black)	2/A	.49	.38	.35	.29
147344CJ	PJ1035L	3.5 (P202L)	14.1 x 51.0 x 5.2 (black)	2/A	.49	.38	.35	.29

Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief • Accepts .25" x 1.25" fuse

124759CJ: pigtail end **364138CJ:** 2.1mm x 5.5mm F connector

Part No.	Description	1	10	100
115001CJ	W/ 5A/250VAC fuse	$1.95	$1.65	$1.19
124759CJ	W/ 3A/250VAC fuse & 3' cord	1.89	1.72	1.69
364138CJ	W/ 5A/250VAC fuse & 70" cord	3.49	2.97	2.22

115001CJ



124759CJ



Color Code Legend: New Sale Lower$ QtySave

Bipolar and Unipolar Stepper Motors

SALE Lower $$$ Quantity SAVE

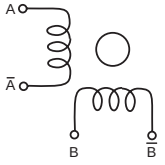
JAMECO ReliaPro

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

A Jameco EXCLUSIVE

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- 18" lead wires
- Ambient temperature: -10°C to +55°C
- Insulation resistance: 100MΩ @ 500VDC
- Use P/N 161998CJ, pg 264, for shaft coupler

Bipolar (2-phase)



Unipolar (4-phase)

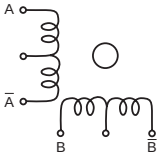


Fig. 1

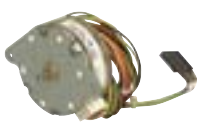


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Part No.	Product No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Height (in.)	Weight (lbs.)	Pricing 1	Pricing 10	Pricing 50
237526CJ	42BYGH001	3	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	$19.79	$16.82	$12.62
237497CJ	39BYG101-01	2	Bipolar	2.7	1.8	6.8	400	6.5	150	650	1.22	0.10	0.20	0.75	1.54	0.79	0.26	15.95	14.35	12.95
237420CJ	35BYG002	3	Bipolar	3.2	1.8	4.8	800	3	15	50	1.02	0.10	0.20	0.83	1.38	1.02	0.30	19.15	16.28	12.21
237489CJ	39BYG001	2	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	15.95	14.35	12.95
237737CJ	42BY48H08	8	Bipolar	5	7.5	9.1	550	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.28	7.89	7.09	6.39
237577CJ	57BYG061	4	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	29.95	26.95	24.25
237518CJ	42BYG017	2	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	16.49	14.02	10.51
237454CJ	39BYG201	2	Bipolar	9.6	1.8	20	480	—	200	1000	1.22	0.10	0.20	0.20	1.54	0.98	0.44	~~$16.95~~ 13.95	11.86	10.48
237411CJ	35BYG005	2	Bipolar	12	1.8	20	500	—	1.5	10	1.02	0.10	0.20	0.83	1.38	1.10	0.37	19.15	16.28	12.21
155459CJ	42BYG023*	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	17.95	16.29	14.59
237471CJ	39BYG401A	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	19.49	17.55	15.79
237817CJ	25BY2414	7	Bipolar	12	15	27	440	15.5	48	140	1.26	0.11	0.08	0.37	0.98	0.59	0.08	7.19	6.11	4.58
237462CJ	39BYG401	2	Bipolar	14	1.8	31	400	32	200	2300	1.22	0.10	0.20	0.95	1.54	1.34	0.44	~~$19.49~~ 15.95	14.50	12.42
237446CJ	35BYG008	2	Bipolar	24	1.8	1.3	1600	1	1	9	1.02	0.10	0.20	0.83	1.38	1.14	0.33	~~$16.95~~ 13.95	11.86	10.48
237569CJ	57BYG009	4	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	32.29	27.45	20.58
237614CJ	57BYGH801	6	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	35.19	29.91	22.43
237534CJ	42BYGH102	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	16.15	14.55
237551CJ	57BYG008	4	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	29.95	26.95	24.25
237593CJ	85BYGH450	6	Unipolar	4.4	1.8	2.2	2000	—	—	21414	2.76	0.26	0.51	1.38	3.35	2.95	4.90	161.95	137.66	103.24
237622CJ	57BYGH802	6	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	37.69	33.95	30.55
237606CJ	57BYGH001	6	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	32.49	29.25	26.35
237825CJ	25BY4801	7	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	~~$6.95~~ 5.95	4.95	4.43
237673CJ	35BY48B06	1	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	6.49	5.85	5.25
237770CJ	20BY20H01	7	Unipolar	5	18	10	500	—	18	75	0.98	0.09	0.06	0.34	0.79	0.71	0.05	5.59	5.09	4.55
223870CJ	57BYG070	4	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	49.95	44.96	39.80
237631CJ	57BYGH803	6	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	64.59	58.15	52.35
172558CJ	42BYG014	2	Unipolar	8.5	1.8	19	450	13	150	1300	1.22	0.50	0.20	0.87	1.67	1.34	0.50	11.29	10.74	10.19
237711CJ	42BY48H06	8	Unipolar	9	7.5	20	450	18.5	130	800	1.95	0.14	0.12	0.39	1.65	0.87	0.30	7.89	7.09	6.39
237788CJ	25BY2402	7	Unipolar	9	15	50	180	14	48	100	1.26	0.13	0.08	0.35	0.98	0.59	0.08	~~$6.95~~ 5.99	5.09	3.82
237649CJ	25BY2403	7	Unipolar	9	15	20	450	4.5	48	130	1.38	0.14	0.08	0.33	0.98	0.56	0.07	4.69	3.99	3.22
172646CJ	42BYG205	4	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	17.95	16.19	14.55
224021CJ	42BYG016	2	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	16.95	15.25	13.75
155432CJ	42BYG228	2	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	17.95	16.29	14.59
237542CJ	57BYG007	4	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	25.95	22.06	17.08
238537CJ	42BYGH404	5	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	19.95	17.95	16.15
162026CJ	57BYG084	4	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	26.95	24.29	21.85
237972CJ	28BYJ01A1	7	Unipolar	12	5.625	300	40	—	300	552	1.38	0.17	0.20	0.33	1.10	0.75	0.09	4.69	4.19	3.69
237981CJ	28BYJ01C	7	Unipolar	12	5.625	300	40	—	350	552	1.38	0.14	0.12	0.20	1.10	0.78	0.10	3.99	3.77	3.55
237753CJ	28BYJ012A	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.08	3.99	3.59	3.23
237745CJ	28BYJ01A	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.10	3.99	3.59	3.23
237833CJ	25BY4803	7	Unipolar	12	7.5	50	240	16	45	110	1.34	0.09	0.08	0.27	0.98	0.59	0.07	~~$6.95~~ 5.99	5.09	3.93
237681CJ	35BY48B069	1	Unipolar	12	7.5	50	270	28	65	300	1.65	0.13	0.08	0.26	1.42	0.85	0.15	6.49	5.85	5.64
237892CJ	42BY48B03	8	Unipolar	12	7.5	57	210	18	105	300	2.28	0.08	0.12	0.30	1.65	0.58	0.21	~~$10.45~~ 8.99	7.64	6.16
238158CJ	35BY48BH10	1	Unipolar	12	7.5	42	286	25	90	400	1.65	0.13	0.08	0.26	1.38	0.85	0.19	~~$6.89~~ 6.19	5.26	4.73
237930CJ	42BY48B14	8	Unipolar	12	7.5	50	240	—	145	450	1.95	0.14	0.12	0.39	1.65	0.59	0.22	9.95	8.46	6.34
213321CJ	35BY48-27	1	Unipolar	12	7.5	15	800	68	90	460	1.96	0.13	0.08	0.25	1.38	0.83	0.20	5.39	4.91	4.46
238131CJ	35BY48BH05	1	Unipolar	12	7.5	15	800	10	90	460	1.65	0.13	0.08	0.26	1.38	0.85	0.19	~~$6.89~~ 6.19	5.26	4.73
237884CJ	42BY48B02	8	Unipolar	12	7.5	40	300	28	130	500	N/A	N/A	0.12	0.30	1.65	0.57	0.21	11.99	10.19	7.64
238043CJ	30BYJ05-PH	7	Unipolar	12	7.5	300	40	—	350	552	1.42	0.17	0.20	0.30	1.18	0.69	0.10	4.79	4.29	3.89
237761CJ	30BYJ011	7	Unipolar	12	7.5	300	40	—	350	644	1.38	0.18	0.12	0.20	1.18	0.69	0.10	4.19	3.99	3.82

* **155459CJ:** Dual shaft

Bipolar and Unipolar Stepper Motors (Continued)

SALE — A Jameco EXCLUSIVE

Part No.	Product No.	Fig. (see pg. 132)	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Height (in.)	Weight (lbs.)	Pricing 1	10	50
238086CJ	35BYJ03	7	Unipolar	12	7.5	400	40	—	450	828	1.65	0.16	0.20	0.33	1.42	0.67	0.12	$4.95	$4.21	$3.99
238035CJ	30BYJ03C	7	Unipolar	12	7.5	160	75	—	350	920	1.54	0.17	0.12	0.44	1.42	0.69	0.11	~~$4.79~~ 4.29	4.06	3.84
238060CJ	35BYJ02	7	Unipolar	12	7.5	200	60	—	400	1104	1.65	0.16	0.20	0.33	1.42	0.67	0.13	4.95	4.21	3.99
238078CJ	35BYJ02A	7	Unipolar	12	7.5	200	60	—	400	1104	1.85	0.16	0.20	0.33	1.38	0.69	0.13	4.95	4.21	3.99
238051CJ	35BYJ01	7	Unipolar	12	7.5	130	92	—	350	1472	1.65	0.16	0.20	0.33	1.42	0.69	0.12	4.95	4.45	3.99
173180CJ	30BYJ02AH*	7	Unipolar	12	7.5	200	60	49.5	400	736	1.42	0.14	0.19	0.36	1.18	0.68	0.10	11.49	9.77	7.32
237657CJ	25BY2406	7	Unipolar	12	15	30	400	7.5	48	120	1.26	0.13	0.08	0.35	0.98	0.59	0.07	4.69	3.99	3.22
237956CJ	42BY48H05	8	Unipolar	14	7.5	70	200	—	130	450	1.93	0.14	0.12	0.39	1.65	0.87	0.27	~~$8.95~~ 7.59	6.45	6.20
237438CJ	35BYG007	5	Unipolar	15	1.8	28	400	—	12	70	1.02	0.10	0.20	0.83	1.38	1.10	0.37	~~$16.95~~ 13.95	11.86	10.48
237702CJ	35BY48BH02	1	Unipolar	16.2	7.5	60	270	50	90	450	1.65	0.13	0.08	0.33	1.38	0.59	0.20	~~$6.49~~ 5.99	5.09	4.73
237665CJ	25BY2407	7	Unipolar	16.2	15	85	190	19	48	100	1.26	0.16	0.08	0.49	0.98	0.56	0.10	~~$4.69~~ 4.29	3.65	3.21
237796CJ	25BY2408	7	Unipolar	16.2	15	60	270	16	48	120	1.26	0.17	0.08	0.55	0.98	0.56	0.10	~~$6.95~~ 5.99	5.09	3.93
237841CJ	25BY4806	7	Unipolar	20	7.5	50	400	16	45	155	1.26	0.13	0.08	0.49	0.98	0.56	0.10	~~$6.95~~ 5.99	5.09	3.93
237850CJ	25BY4807	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	~~$6.95~~ 5.99	5.09	3.93
237868CJ	25BY4808	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	~~$6.95~~ 5.99	5.09	3.93
237876CJ	25BY4809	7	Unipolar	20	7.5	50	400	16	45	155	1.42	0.35	0.08	0.22	0.98	0.87	0.10	6.95	6.25	5.65
210391CJ	STP42N196S	9	Unipolar	24	3.75	110	436	60	60	600	1.95	0.13	0.118	0.42	1.65	0.54	0.18	1.99	1.85	1.68
238115CJ	35BY48B08	1	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	~~$6.89~~ 6.19	5.68	5.17
238107CJ	35BY48B07	1	Unipolar	24	7.5	11	240	70	65	330	1.65	0.13	0.08	0.26	1.38	0.59	0.15	~~$6.89~~ 6.19	5.68	5.17
238140CJ	35BY48BH07	1	Unipolar	24	7.5	110	240	70	90	350	1.65	0.13	0.08	0.26	1.38	0.85	0.20	~~$6.89~~ 6.19	5.26	4.73
237690CJ	35BY48BH01	1	Unipolar	24	7.5	165	145	85	90	400	1.65	0.13	0.08	0.33	1.38	0.59	0.19	~~$6.49~~ 5.99	5.09	4.73
237921CJ	42BY48B08	8	Unipolar	24	7.5	75	320	33	145	600	1.95	0.14	0.12	0.39	1.65	0.59	0.20	~~$8.95~~ 7.59	6.45	6.20
237905CJ	42BY48B04	8	Unipolar	24	7.5	110	220	53	145	630	1.95	0.14	0.12	0.45	1.65	0.59	0.20	~~$8.95~~ 7.59	6.45	5.84
237913CJ	42BY48B04M	8	Unipolar	24	7.5	120	200	57	145	630	1.95	0.09	0.12	0.45	1.65	0.59	0.22	~~$8.95~~ 7.59	6.45	6.20
237948CJ	42BY48H02	8	Unipolar	24	7.5	48	500	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.30	~~$8.95~~ 7.59	6.45	6.20
237729CJ	42BY48H07	8	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	7.89	6.71	6.20
237809CJ	25BY2409	7	Unipolar	24	15	118	200	22	48	100	1.37	0.13	0.08	0.37	0.98	0.59	0.10	~~$7.19~~ 6.49	5.52	4.14
238123CJ	35BY48BH03	1	Unipolar	28.8	7.5	115	278	85	90	450	1.65	0.13	0.08	0.26	1.38	0.85	0.19	~~$6.89~~ 6.19	5.26	4.73
237585CJ	110BYG450C	4	Unipolar	80-200	0.9/1.8	0.18	6000	2	3060	45,900	5.0	0.33	0.63	2.13	4.33	5.10	8.40	179.95	152.96	114.72

Other Manufacturers — Great Deals

Quantity SAVE


117954CJ


163395CJ


163408CJ


105881CJ


171601CJ


238019CJ

Part No.	Mfr. Cross Ref. No.	Drive System	Volt. (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Height (in.)	Pricing 1	10	50
117954CJ	LB82773-M1	Bipolar	5	7.5	6	800	7	100	1080	2.60	1.95	0.250	0.75	2.25	1.00	$4.29	$3.86	$2.89
163395CJ	5017-935[1]	Bipolar	8.4	0.9	30	280	25	36	791	1.73	0.15	0.155	0.29	1.64	1.20	4.95	4.21	3.16
163408CJ	4017-806[1] ✪	Bipolar	9.2	1.8	38	240	52	36	664	1.73	0.15	0.155	0.23	1.66	1.25	2.95	2.65	2.35
105881CJ	SM4203[2]	Bipolar	12	3.6	25	480	31	80	600	1.73	0.11	0.197	0.43	1.66	1.31	6.49	5.85	5.29
171601CJ	PF35T48L4[3]	Unipolar	7	7.5	20	350	9	40	680	1.68	0.14	0.078	0.47	1.38	0.58	4.99	4.24	3.18
238019CJ	30BYJ01C1	Unipolar	12	7.5	300	40	—	350	644	1.54	0.17	0.12	0.20	1.18	0.68	~~$4.79~~ 4.29	4.06	3.84

* **173180CJ:** Gear ratio 85.25:1 [1] **163395CJ/163408CJ:** Dual shaft [2] **105881CJ:** P/N 25216CJ (IC, MC3479P, pg 36) bi-phase stepper motor driver can be used to operate; Use P/N 161998CJ for shaft coupler, see pg 264
[3] **171601CJ:** Dual shaft w/ 10 tooth gear ✪ Blue Part No. = Limited Quantity Available

Servo Motors

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60˚
- Torque: 49 oz.-in. (3500 g-cm) @ 4.8V
- Can be operated by P/N 151001CJ, pg 134



Part No.	Description	Size	1	10
157067CJ	Robotic servo	0.8"W x 1.4"D x 1.6"H	$19.95	$17.95

Giant Robotic Ball-Bearing Servo

Extremely powerful! Perfect for large robotic projects where power is a must.

- Supply voltage: 4.8-6 volts
- Speed: 19 seconds to 60˚
- Torque: 161 oz.-in. (11,500 g-cm) @4.8V
- Can be operated by P/N 151001CJ, pg 134



Part No.	Description	Power Supply	1	10
166351CJ	Giant robotic servo	4.8-6 volts	$49.95	$44.95

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Scott Edwards Electronics, Inc.

Serial Servo Controller Module



- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing two units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115553CJ, pg 99) or modular adapter from DB9 to RJ11 (P/N 114737CJ, pg 99)
- Size (PCB): 1.9"L x 1.4"W • One-year warranty

Part No.	Description	1	10
151001CJ	Mini SSC II	$43.95	$41.79

32-Bit Stepper Motor Controller

One Axis



- Controls one bipolar stepper motor with 32-bit absolute position
- Interface to PC through RS232 or RS485 @ 2400-19,200bps
- Full, half or wave step modes
- Multiple boards may share same serial line (RS485 only)
- 2 channel general purpose 8-bit A/D input port for reading 0 to 5V
- 4-bit digital input for home limits
- Addressable up to 255 boards
- Size: 4.4"L x 2.3"H
- Weight: 0.7 lbs.

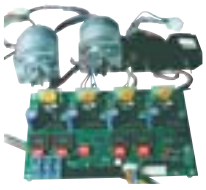
Includes: Manual and sample code software

Part No.	Description	1	10
153621CJ	32-bit controller	$158.95	$150.99

See our extensive motor selection on pages 132-133 & 135-138.

RMV

Multi-Stepper Motor Control Board

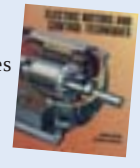


Shown w/ motors – not included

- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- High-speed serial communication interface 9.6kbps-230.4kbps
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec.
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- Automatic power down prevents motor overheating
- External driver control outputs: step, direction and power control
- 26 digital I/O and two SPI interfaces for control of external devices
- 32 bits DDL interface for Windows® 9X, NT & Linux
- Internal FIFO RAM (128 bytes) allows customized motion profiles
- Size: 7.7"L x 5.0"W x 1.0"H • Weight: 0.7 lbs.

Part No.	Description	1	10
168727CJ	Stepper motor control board	$399.95	$379.95

Electric Motors and Control Techniques



TAB Publishing Explains how different types of motors operate, and how electronic control devices can be used to improve efficiency in a wide range of applications. (294 pages, 1994)

- Size: 7.3" x 9.2" • Weight: 1.1 lbs.

Part No.	Description	Price
137162CJ	Electric Motors & Control	$24.95

Sport232-ST One Axis Stepper Motor Controller and DAC Board



- Full, half steps (monophasic, bi-phasic)
- Shaft encoder capabilities for close loop applications
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- 8 Digital I/I and 8 analog inputs with 12-bit resolution
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Home, limit CW/CCW, abort, pulse and direction output signals
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview

Part No.	Description	1	10
355047CJ	Sport232-ST	$147.25	$137.75

RMV

RMV856-ET Stepped Motor Controller



355186CJ



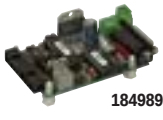
355266CJ

- CMOS, +5V device combines high performance with low cost
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- Internal step register counts up to 16 million steps per motion
- 8 Digital I/Os can be addressed individually by one command
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Programmable stall detection feature controls positioning error • Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter

Part No.	Product No.	Pakage	1	10	50
355186CJ	RMV856-ET	DIP-40	$48.45	$44.05	$40.00
355266CJ	RMV856-ET	PLCC-44	48.45	44.05	40.00

KAE Industrial Motion Controllers for Brush, Brushless and Stepper Motors

All JR Kerr Automation Engineering controllers include integrated power amplifiers. Up to 32 controllers can be daisy-chained from a single full-duplex RS485 port. For RS-232 to RS-485 adapter see P / N 184971CJ (below).



184989CJ



323942CJ



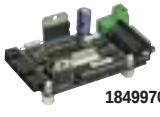
185009CJ



323951CJ



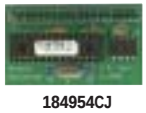
184971CJ



184997CJ



184962CJ



184954CJ

184989CJ/323942CJ: PIC-SERVO motor control board

- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps
- P/N 323942CJ RS485 serial interface allows up to 32 PIC-SERVO controllers to be controlled from a single serial port

185009CJ/323951CJ: PIC-SERVO 3PH motor control board for brush or brushless motors

- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Same features as 184989CJ above but with support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951CJ Amplifier capable of driving 6A continuously @ up to 48VDC

Part No.	Description	Size (L" x W" x H")	1	10
184989CJ	PIC-SERVO	3.1 x 2.1 x 0.9	$179.95	$161.95
323942CJ	KAE-T0VIO	3.1 x 2.1 x 0.9	149.95	134.95
185009CJ	PIC-SERVO 3PH	3.1 x 3.1 x 1.0	239.95	215.95
323951CJ	KAE-T0VIO	3.1 x 3.1 x 0.9	214.95	194.95

184971CJ: Z232-485 serial port adapter

- Lets you operate the controllers above from any standard RS-232 port

184997CJ: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Limit switch inputs, general purpose outputs, step/dir outputs for use with external drivers

184962CJ: PIC-I/O multifunction I/O control board

- 12 I/O bits software configurable as inputs or outputs
- One counter input
- Three 8-bit analog inputs, two PWM outputs with high current drivers

184954CJ: Simple sequencer stand-alone controller

- Programmable master controller for building stand-alone systems with the controllers above
- Plugs into a socket on the Z232-485 board (P/N 184971CJ, above)

Part No.	Description	Size (L" x W" x H")	1	10
184971CH	Z232-485	3.1 x 2.1 x 0.5	$59.95	$53.95
184997CJ	PIC-STEP	3.1 x 2.1 x 0.9	159.95	143.95
184962CJ	PIC-I/O	3.1 x 2.1 x 0.6	89.95	85.45
184954CJ	Simple sequencer	2.1 x 1.0 x 0.4	59.95	51.08

1.5-112VDC Motors

Jameco has a broad selection of DC Motors available for immediate delivery! In fact, we're the only place in the country where you can buy so many types off-the-shelf. And because of our broad selection, major custom-design motor manufacturers send their customers to us! Be sure to check out all the products below.

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Quantity SAVE

Typical applications: • RC cars and airplanes • Arcade games • Vending machines • Office automation products • Motorized toys • Vacuum cleaners • Hair removers • Blow dryers • Tire pumps • Paper shredders • Cordless power tools

NICHIBO

Part Number	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	@ Maximum Efficiency Speed (RPM)	@ Maximum Efficiency Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (D" x L")	Pricing 1	Pricing 10	Pricing 100
231917CJ	FE-260-2670	5	1.5	1.5-3	0.66	3700	10.5	42.9	Solder	0.078	0.314	0.937 x 1.063	$1.19	$1.01	$.76
231861CJ	UE-260-2850	6	1.5	1.5-3	1.15	4260	13.4	34.9	Solder	0.078	0.314	0.944 x 1.063	1.29	1.10	.82
231853CJ	UE-260-2838	6	1.5	1.5-2.4	1.57	5600	15.5	39.0	Solder	0.078	0.314	0.944 x 1.063	1.49	1.27	.95
232135CJ	FF-050S-13130	3	2	2-4	0.11	3000	3	42.0	Solder	0.059	0.433	0.610 x 1.059	2.99	2.69	2.42
231909CJ	FE-260-18130	5	3	1.5-4.5	0.36	4780	10.3	49.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.76
231888CJ	UE-260-20120	6	3	1.5-4.5	0.45	4780	12.9	49.8	Solder	0.078	0.314	0.944 x 1.063	1.49	1.27	.95
231790CJ	PC-130F-18120	7	3	3-4.5	0.51	6260	8.1	35.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231870CJ	UE-260-2290	6	3	1.5-4.5	0.62	6400	12.9	47.1	Solder	0.078	0.314	0.944 x 1.063	1.49	1.27	.95
231925CJ	FE-260-2295	5	3	1.5-4.5	0.63	6850	14	53.9	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.76
232071CJ	FC-280-2485	1	4.5	4.5-7.2	0.88	7820	26	52.7	Solder	0.078	0.472	0.944 x 1.200	2.09	1.78	1.33
232080CJ	FC-280-2865	1	4.5	4.5-6	1.38	9970	30.4	50.1	Solder	0.078	0.472	0.944 x 1.200	2.09	1.88	1.69
231765CJ	PC-130SF-15160	7	4.8	3-9	0.42	4960	16.6	42.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231984CJ	UC-260-14275	6	6	6-12	0.21	4150	13.1	45.8	Solder	0.078	0.314	0.944 x 1.063	1.79	1.52	1.14
231829CJ	PC-280-16210	8	6	3-12	0.28	4260	18	47.6	Solder	0.078	0.433	0.944 x 1.200	2.99	2.54	1.91
231781CJ	PC-130F-12240	7	6	3-9	0.25	6800	7	33.4	Solder	0.078	0.377	0.803 x 0.984	2.49	2.24	2.02
231992CJ	UC-260-18160	6	6	3-9	0.57	7460	22.1	49.9	Solder	0.078	0.314	0.944 x 1.063	1.79	1.52	1.14
231811CJ	PC-280-20125	8	6	3-9	0.57	7560	21.1	48.6	Solder	0.078	0.433	0.944 x 1.200	2.99	2.54	1.91
232063CJ	FC-280-20120	1	6	4.5-9	0.60	7800	24.1	53.5	Solder	0.078	0.472	0.944 x 1.200	2.09	1.78	1.33
232143CJ	FF-050S-11170	3	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
232151CJ	FF-050S-09250	3	8	5-11.5	0.11	6300	7	51.4	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
231802CJ	PC-130F-10370	7	9	6-12	0.15	6410	8.5	43.9	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231933CJ	UC-280S-10450	9	12	12-24	0.11	2850	21.3	46.5	Solder	0.078	0.433	0.944 x 1.200	2.99	2.54	1.91
232012CJ	MD5-12160	10	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231968CJ	UC-260-09530	6	12	12-24	0.12	4030	12.5	36.7	Solder	0.078	0.314	0.944 x 1.063	1.79	1.52	1.14
231845CJ	PC-280-10420	8	12	6-24	0.13	4270	14.5	43.6	Solder	0.078	0.433	0.944 x 1.200	2.99	2.54	1.91
231731CJ	PC-130SF-09480	7	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.89	1.69
231749CJ	PC-130SF-09400	7	12	6-24	0.15	5130	14.3	42.5	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231896CJ	FE-260-08450	5	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.76
231773CJ	PC-130F-09490	7	12	6-18	0.51	6260	8.1	39.1	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
232160CJ	FF-050S-08220	3	12	9-18	0.09	6270	5	31.5	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
231757CJ	PC-130SF-10315	7	12	6-18	0.25	6350	20	44.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
232055CJ	FC-280-12280	1	12	6-12	0.26	6840	21.4	48.6	Solder	0.078	0.472	0.944 x 1.200	2.09	1.78	1.33
231976CJ	UC-260-12335	6	12	6-12	0.24	7050	19.5	50.0	Solder	0.078	0.314	0.944 x 1.063	1.79	1.52	1.14
231837CJ	PC-280-15265	8	12	6-12	0.30	7230	25	52.5	Solder	0.078	0.433	0.944 x 1.200	2.99	2.54	1.91
232004CJ	UC-280S-19160	9	12	6-12	0.57	9000	46.6	63.4	Solder	0.078	0.433	0.944 x 1.200	2.55	2.17	1.63
232021CJ	MD5-1885	10	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231950CJ	UC-280S-20145	9	12	6-12	0.75	10000	55	64.0	Solder	0.078	0.433	0.944 x 1.200	2.55	2.17	1.63
232039CJ	MD5-2070	10	12	6-12	1.20	12150	62.2	54.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
232127CJ	MD5-2554AS-AA	2	12	6-12	1.70	17000	72.9	62.4	Quick Connect	0.091	0.512	1.083 x 1.279	4.29	3.65	2.73
232119CJ	MD5-2450AS-AA	2	12	6-12	2.00	17200	77.5	55.9	Quick Connect	0.091	0.512	1.083 x 1.279	4.29	3.65	2.73
232047CJ	MD5-2445	10	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231941CJ	UC-280S-12285	9	24	12-24	0.39	10300	54.4	62.4	Solder	0.078	0.433	0.944 x 1.200	2.99	2.54	1.91
232098CJ	MD5-15120AS-AA	2	24	12-24	0.70	15100	66.7	61.5	Quick Connect	0.091	0.512	1.083 x 1.279	4.29	3.65	2.73
232101CJ	MD5-1980AS-AA	2	24	12-24	1.43	22600	88.5	60.9	Solder	0.091	0.512	1.083 x 1.279	4.29	3.65	2.73

JAMECO ReliaPro (Mabuchi-Type)

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238465CJ	RF-310TA-11400 (CCW)	11	2.5	1-6	0.06	2190	3.3	—	Solder	0.078	0.369	0.962 x 0.712	$5.35	$4.55	$3.41
238457CJ	RF-300PA-11400 (CW)	12	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.415	0.960 x 0.504	4.35	3.70	2.77
238511CJ	RF-500TB-12560	13	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	4.49	3.82	2.86
238431CJ	EG-530AD-6B (CCW)	14	6	4.2-7.5	0.13	2400	8	—	Solder	0.078	0.307	1.377 x 0.984 ~~$5.39~~	4.69	3.99	2.99
238422CJ	EG-530AD-6F (CW)	14	6	4.2-7.5	0.13	2400	8	—	Solder	0.078	0.307	1.377 x 0.984 ~~$5.39~~	4.69	3.99	2.99
238449CJ	EG-530AD-9B (CCW)	14	9	6-11	0.09	2400	8	—	Solder	0.078	0.307	1.377 x 0.984 ~~$5.39~~	4.69	3.99	2.99
238490CJ	EG-530YD-9B (CCW)	14	9	6.3-11.7	.13/.14	2000/4000	10	—	Solder	0.078	0.307	1.377 x 0.984 ~~$7.59~~	6.85	5.82	4.37
238502CJ	EG-530KD-2B (CCW)	14	12	8.4-15.6	0.08	1600	10	—	Solder	0.078	0.307	1.377 x 0.984 ~~$5.99~~	5.39	4.58	3.44
238473CJ	RF-370CA-15370	15	12	3-12	0.07	1970	16	61.4	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54
238414CJ	EG-530AD-2B (CW)	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	4.49	3.82	2.86
238406CJ	EG-530AD-2F (CCW)	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	5.39	4.58	3.44
238481CJ	EG-530YD-2B (CCW)	14	12	8.4-15	.13/.14	2000/4000	10	—	Solder	0.078	0.322	1.303 x 0.997	6.29	5.65	5.09

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237391CJ	29SYT003	4	13.5	13.5	13	18000	509	—	Quick Connect	0.125	1.003	1.141 x 2.283	$5.95	$5.35	$4.85
237382CJ	29SYT002	4	24	24	0.93	2680	178	—	Wire	0.100	0.334	0.787 x 1.89	7.19	6.47	5.82
237403CJ	40SYT002	16	26	26	1.5	300	815	—	Quick Connect	0.196	1.021	1.57 x 3.85	25.95	23.35	20.99
237374CJ	29SYT001	4	112	112	0.93	2680	178	—	Wire	0.100	0.334	1.15 x 1.89	7.19	6.11	4.58


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10

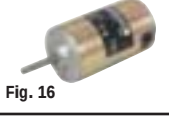

Fig. 11


Fig. 12


Fig. 13

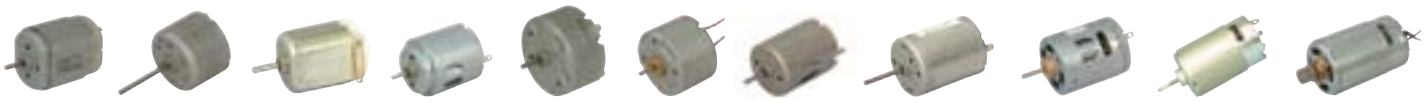

Fig. 14


Fig. 15


Fig. 16

1.2VDC-24VDC Motors

Quantity SAVE



311976CJ 295849CJ 154915CJ/ 154923CJ 211246CJ 388851CJ 267231CJ 177498CJ 174692CJ 206949CJ 153656CJ 267291CJ

Part Number	Product Number	Manufacturer	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (D" x L")	Pricing 1	10	100
311976CJ	20519-34442	Johnson Electric	1.2	—	0.363	4692	130.4	55	0.08"/solder	0.08	0.33	1.00 x 1.20	$1.49	$1.27	$.95
295849CJ	RF-310T-11400	Mabuchi Motor	2.5	1-6	0.060	2190	3.3	—	0.06"/solder	0.08	0.89	0.96 x 0.71	1.79	1.52	1.14
154915CJ	ST-130-12240[1]	Star Motor	3	1.5-3	0.170	3588	7.4	55	0.09"/solder	0.08	0.37	0.79 x 1.13	1.09	.93	.69
154923CJ	ST-130-22770[1]	Star Motor	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	.99	.84	.63
211246CJ	RC-260RA-2670	Mabuchi Motor	4.5	3-4.5	1.430	15290	21.8	53	0.11"/solder	0.08	0.28	0.93 x 1.06	1.49	1.27	.95
388851CJ	RF-500TB-14415	Mabuchi Motor	5	1.5-9	0.120	2540	12.6	—	0.07"/solder	0.07	0.34	1.26 x 0.97	3.99	3.59	3.23
267231CJ	FRF-510-12620	Telco	6	3-12	0.030	2700	10.0	—	Wire w/ conn.	0.08	0.31	1.25 x 0.86	.99	.89	.79
177498CJ	RC280RA-2485	Mabuchi Motor	7.2	3-14	1.180	14260	33.3	57	11"/solder	0.08	0.43	0.95 x 1.20	1.75	1.49	1.12
174692CJ	21226-384221	Johnson Electric	12	9-14	0.015	3000	—	—	0.11"/solder	0.08	0.69	0.97 x 1.19	2.49	2.15	1.59
206949CJ	QJT360S14280	Nichibo	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	1.69	1.45	1.09
153656CJ	RS550PF[2]	Mabuchi Motor	12	6-15	1.400	6500	44.1	—	0.15"/solder	0.13	0.66	1.45 x 2.25	3.29	2.99	2.69
267291CJ	SUN-555A-LMRK	Telco	24	—	0.150	4100	84	—	Wire w/ conn.	0.13	0.40	1.45 x 2.25	2.99	2.54	1.91

[1] **154915CJ/154923CJ:** Use bushing P/N 162392CJ, pg 264 [2] Manufacturer may vary

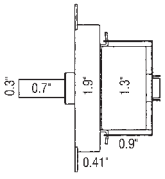
6VDC and 12VDC Reversible Gear Head Motors

JAMECO ReliaPro — A Jameco EXCLUSIVE

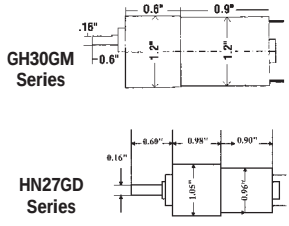
- Solder-type terminal
- High torque construction
- Oil bearing design for long service life
- Insulation resistance: 10MΩ
- Dielectric strength: 300VDC



167038CJ 159417CJ 253227CJ



32GM Series



GH30GM Series

HN27GD Series

32GM Series

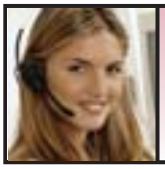
Part Number	Product Number	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Height (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
253403CJ	32-009	6	64	2.7	2500	450:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	$17.95	$16.15	$14.55
253391CJ	32-008	6	60	3	2000	400:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253382CJ	32-007	6	57	3.2	1800	377:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253374CJ	32-006	6	51	4	1680	300:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253340CJ	32-005	6	48	5	1600	240:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253323CJ	32-004	6	44	6	1500	200:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253315CJ	32-003	6	40	6.3	1350	190:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253307CJ	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253227CJ	32-001	6	35	24	450	50:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55

HN27GD Series

Part Number	Product Number	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Length (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
167038CJ	GH12-0953Y	12	4.5 – 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	.16 x .60	$16.49	$14.85	$13.39
167046CJ	GH12-1828Y	12	4.5 – 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	.16 x .60	21.95	19.79	17.79

GH30GM Series

170641CJ	GH12-1828Y-10	12	6.0 – 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	.16 x .70	$23.95	$20.36	$15.27
153437CJ	GH12-1045Y	12	3.0 – 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	.16 x .70	18.95	17.09	15.35
159417CJ	GH12-1921Y	12	4.5 – 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	.16 x .70	21.95	19.79	17.79
162190CJ	GH12-1324Y225	12	4.5 – 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	.16 x .70	16.95	15.25	13.75



Save Big!
Special Values!

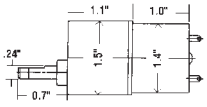
New Lower Prices = Orange
Sale Price Items = Yellow
Exceptional Quantity Discounts = Green

12VDC and 24VDC Reversible Gear Head Motors

A Jameco EXCLUSIVE

GH35GM Series

Part Number	Product Number	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Length (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
155011CJ	GH12-1926	12	4.5 – 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	$21.95	$19.79	$17.79
155820CJ	GH12-1830Y-P	12	4.5 – 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	21.95	19.79	17.79
155838CJ	GH12-1641T-L	12	3.0 – 12	250	15	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	23.95	21.59	19.45
152910CJ	GH12-1926Y	12	4.5 – 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	21.95	19.75	17.75
151440CJ	GH12-1632TI	12	4.5 – 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155854CJ	GH12-1641T-F	12	3.0 – 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	21.95	19.79	17.79
155862CJ	GH12-1926Y-F	12	4.5 – 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	21.95	19.79	17.79
161373CJ	GH12-1345T	12	4.5 – 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.59	19.45
161381CJ	GH12-1634T	12	4.5 – 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79
164785CJ	GH12-1640Y	12	4.5 – 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.95	20.36	15.27
176049CJ	GH12-1640Y00	24	12 – 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	15.52
176031CJ	GH24-1640Y06	24	12 – 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79
176022CJ	GH24-1640Y19	24	12 – 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79



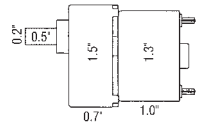
GH35GM Series



155011CJ

38GM Series

Part Number	Product Number	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Height (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
253534CJ	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	$18.95	$17.09	$15.35
253526CJ	38-009	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253518CJ	38-008	12	87.5	40	4800	150:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253500CJ	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253497CJ	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253489CJ	38-005	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253471CJ	38-004	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253462CJ	38-003	12	68	180	800	33:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253454CJ	38-002	12	65	200	700	30:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253446CJ	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35



38GM Series



253446CJ

1.3VDC and 3VDC Vibrating Motors

A Jameco EXCLUSIVE

• Typical applications: cellular phones, pagers and toys

Quantity SAVE

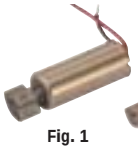


Fig. 1

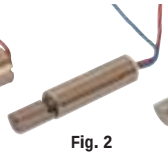


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

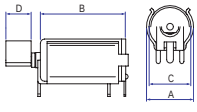


Fig. 6

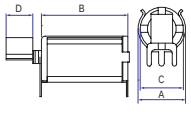


Fig. 5

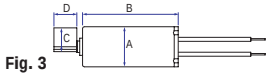


Fig. 3

Part No.	Mfr. Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia." x L"	Shaft Size (C x D) Dia." x L"	Pricing 1	10	100
175062CJ	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	$5.49	$4.67	$3.50
256356CJ	7ZK642	3	1.3 @ 70	1.00 - 1.60	7500 @ 1.3	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256372CJ	7ZK631	3	1.3 @ 70	0.80 - 1.60	7500 @ 1.3	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
175396CJ	OTL-4AL	2*	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.8	0.16 x 0.55	0.15 x 0.23	6.49	5.52	4.14
256305CJ	6ZK003	3	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256321CJ	6ZK211	5	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC Term	0.27 x 0.48	0.11 x 0.11	3.29	2.99	2.69
256268CJ	5ZK019 ✪	6	1.3 @ 85	0.80 - 1.60	10000 @ 1.3	PC Term	0.20 x 0.40	0.10 x 0.07	5.29	4.79	4.29
256145CJ	4ZK036	6	1.3 @ 80	0.85 - 1.60	11000 @ 1.3	PC Term	0.17 x 0.43	0.07 x 0.16	5.95	5.35	4.85
256049CJ	4ZK041	3	1.3 @ 85	0.85 - 1.60	11000 @ 1.3	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85
256241CJ	5ZK011	3	1.3 @ 85	0.80 - 1.60	11000 @ 1.3	1.0	0.20 x 0.39	0.10 x 0.12	5.29	4.79	4.29
256364CJ	7ZK692	3	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256381CJ	7ZK681	3	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
256313CJ	6ZK053	3	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256330CJ	6ZK261	5	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC Term	0.27 x 0.48	0.11 x 0.11	3.29	2.99	2.69
256250CJ	5ZK061	3	3.0 @ 75	2.40 - 3.00	10000 @ 3.0	1.0	0.20 x 0.39	0.10 x 0.12	5.29	4.79	4.29
256090CJ	4ZK091	3	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85
256153CJ	4ZK086 ✪	6	3.0 @ 70	1.30 - 3.60	12000 @ 3.0	PC Term	0.17 x 0.43	0.07 x 0.16	5.95	5.35	4.85
Other Manufacturers — Great Deals											
190078CJ	6CD-1201WL-00	4*	1.3 @ 80	—	7500 @ 1.3	1.1	0.24 x 0.47	0.10 x 0.22	$6.55	$5.57	$4.18
185228CJ	FM31E	7	3.0 @ 45	2.50 - 3.80	4500 @ 3.0	Solder pads	0.55 x 0.13	—	3.85	3.27	2.45

*More details on page 138 ✪ Blue Part No. = Limited Quantity Available

Color Code Legend: New Sale Lower$ QtySave

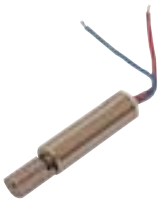
Vibrating Motors and AC Gear Motor

JAMECO ReliaPro ✓ Reliable & Consistent ✓ Professional Grade ✓ Awesome Prices ✓ Backed by Jameco

Color Code Legend: New | Sale | Lower$ | QtySave

1.3VDC 8,500 RPM Vibrating Motor

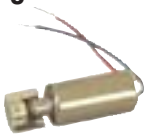
- Typical applications: cellular phones, pagers, and toys
- Rated RPM: 8,500 @ 1.3VDC
- Direction of rotation: clockwise
- Operating voltage: 1.3V @ 65mA (typical)
- Lead length: 0.75"
- Size: (motor) 0.16"Dia. x 0.55"L (shaft) 0.15"Dia. x 0.23"L



Part No.	Description	1	10	100
175396CJ	Vibrating motor	$6.49	$5.52	$4.14

1.3VDC 7,500 RPM Vibrating Motor

- Typical applications: cellular phones, pagers and toys
- Rated RPM: 7,500 @ 1.3VDC
- Clock-wise rotation
- 1.1" lead wires
- Operating voltage: 1.3VDC @ 80mA
- Size: (motor) 0.47"L x 0.24"Dia. (shaft) 0.22"L x 0.10"Dia.



Quantity SAVE

Part No.	Description	1	10	100
190078CJ	Vibrating motor	$6.55	$5.57	$4.18

120VAC Gear Motor

6.0 RPM - 2.9 Watt

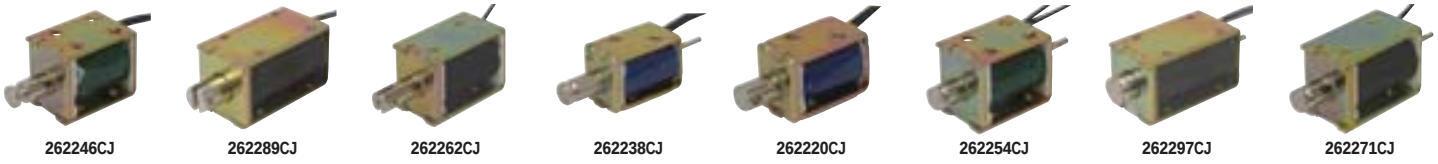


- Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm
- Connector: 12" wires
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Shaft diameter: 0.27" • Shaft length: 0.65"
- Overall size: 2.0" Dia. x 1.0" thick
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor

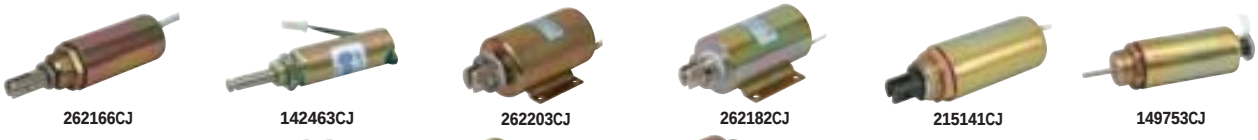
Part No.	Mfr. Cross Ref. No.	1	10	100
213487CJ	50TYZ	$14.95	$13.46	$12.11

Solenoids

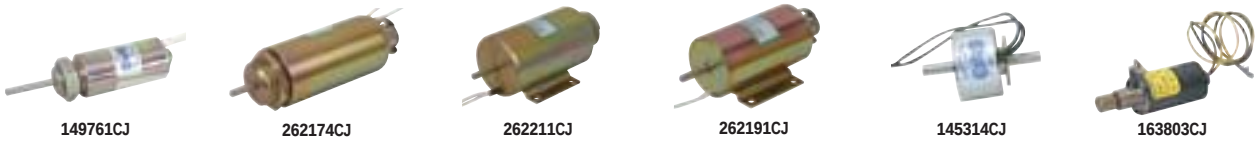
12VDC and 24VDC Continuous Push, Pull and Push/Pull Solenoids



262246CJ 262289CJ 262262CJ 262238CJ 262220CJ 262254CJ 262297CJ 262271CJ



262166CJ 142463CJ 262203CJ 262182CJ 215141CJ 149753CJ



149761CJ 262174CJ 262211CJ 262191CJ 145314CJ 163803CJ

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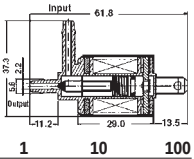
Part No.	Mfr. Cross Reference No.	Type	Voltage (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke	Size L x Dia. (in.) †	Shaft Dia. (in.)	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 100
262246CJ	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	$5.19	$4.65	$4.19
262289CJ	SMO-1253L12AA	Open frame-pull	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.470	0.50	11.89	10.69	9.65
262262CJ	SMO-0837L12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	7.29	6.56	5.90
262238CJ	SMO-0415S12AA	Open frame-push	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.040	0.01	5.95	5.35	4.79
262220CJ	SMO-0415L12AA	Open frame-push	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.160	0.01	4.79	4.29	3.89
262254CJ	SMO-0520S12STD	Open frame-push	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.06/0.20*	0.04	6.39	5.75	5.15
262297CJ	SMO-1253S12AA	Open frame-push	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.10/0.47*	0.50	13.09	11.79	10.59
262271CJ	SMO-0837S12STD	Open frame-push	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	8.39	7.59	6.85
262166CJ	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	9.95	8.95	8.15
142463CJ	SMT-1130L12A	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	6.95	6.26	5.63
262203CJ	SMT-3864L24STD	Tubular-pull	24	34	17.0	1.32	1.18	2.5 x 1.5	0.620	1.10	29.95	26.95	24.29
262182CJ	SMT-3257L24STD	Tubular-pull	24	44	13.0	3.30	0.70	2.3 x 1.3	0.500	0.65	19.59	17.69	15.89
215141CJ	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	10.95	9.31	6.98
149753CJ	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	9.95	8.96	7.92
149761CJ	SMT-1632S12A	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	10.95	9.86	8.87
262174CJ	SMT-2551S24STD	Tubular-push	24	58	10.0	1.32	0.70	2.0 x 1.0	0.120	0.40	15.95	14.39	12.99
262211CJ	SMT-3864S24STD	Tubular-push	24	34	17.0	1.32	1.18	2.5 x 1.5	0.160	1.10	31.39	28.19	25.39
262191CJ	SMT-3257S24STD	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	19.95	17.95	16.19
145314CJ	SMT1913S12A	Tubular-push/pull	12	89	2.0	1.12	0.16	1.2 x 0.7	0.110	0.05	9.95	8.96	8.06
Other Manufacturers — Great Deals													
163803CJ	A420-067074-01	Tubular-push	12	43	3.4	0.75	0.17	2.0 x 0.6	0.156	0.10	$9.95	$8.46	$6.34

†Open frame type dimensions: L" x W" x H"; *Dual shaft

12VDC Solenoid Valve

- Operating voltage: 12VDC • Current: 350mA
- Operational temperature: -29˚C to 85˚C
- Air leakage: 1c.c./min. max. 4psi
- 0.250" quick disconnect terminals





Part No.	Description	Size	1	10	100
169834CJ	Solenoid valve	1.2"L x 0.92" Dia.	$6.95	$6.25	$5.59

Motor Kits

See page 267 for our selection.



Miniature Basic Switches

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H


159572CJ

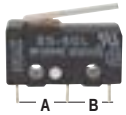

159581CJ/187792CJ


187805CJ

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Resistance (initial)	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
159572CJ	VS10N051C	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A@125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	**$2.89**	**$2.54**	**$2.28**
159581CJ	VS10N021C2	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A@125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	**2.45**	**2.25**	**1.99**
187792CJ	V-10G2-1C24K	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A@125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	**2.45**	**2.25**	**1.99**
187805CJ	V-10G3-1C24K	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A@125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	**2.75**	**2.48**	**2.29**

Subminiature Basic Switches

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B= 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H



187709CJ


187733CJ


159599CJ

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Contact Force	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	25	50
187709CJ	SS-5GL	Omron	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	**$1.59**	**$1.45**	**$1.29**
187733CJ	SS-5GL2	Omron	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	**1.25**	**1.09**	**.99**
159599CJ	SS0505A	Highly Electric	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	45g	30M/200k	Solder	**1.19**	**.99**	**.89**

D2F Series Subminiature Snap-Action Switches

Super compact, for PCB mounting. Ideal for a wide variety of applications from household appliances and office equipment to audio and communications equipment.

- Long life span assured by high-precision dual spring reverse-action mechanism
- Flux penetration prevented by using an insert terminal and allowing a height difference at the case bottom
- Dimensions: 0.50"L x 0.23"W x 0.26"H
- Contact form: SPST


188867CJ



188832CJ

Part No.	Product No.	Actuator Type	Contact Type	Contact Force	Contact Rating (125VAC/30VDC)	1	25	50
188867CJ	D2F-L	Hinge lever	General purpose	Standard (80g)	3A/2A	**$.89**	**$.83**	**$.79**
188832CJ	D2F-01F	Pin plunger	Microvoltage/current	Low force (75g)	0.1A/0.1A	**.45**	**.43**	**.42**

Our knowledgeable Tech Support department is ready to answer your questions. Just give us a phone call! 1-800-831-4242



Don't Ditch for a Switch!

Ever found yourself having to delay or postpone a project because you didn't have the right switch or some other component? How much do you think it cost you and the company you work for?

First there's the cost of the time delay in the project and the affected people. Then there's the cost of sending someone to get the needed device(s). If you want it the same day, you probably paid a premium for the product. Costly, and the list goes on…

When you're in the midst of buying components for a project, remember to browse through the catalog or web site and look for other devices you might need on your current or future projects. As your spare parts selection grows, your most costly down time will be reduced. This is a very small incremental investment that will significantly reduce your overall cost!

Practical Practices
Money Saving Tips for the Engineer

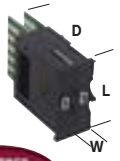


Pushbutton Binary Coded Decimal (BCD) Switch

26788CJ (2 switches shown)

Thumbwheel Binary Coded Decimal (BCD) Switch

(2 switches shown) 26817CJ



Pushbutton and Thumbwheel Switch Specifications:

- Contact resistance: 100mΩ max.
- 1/16" maximum panel thickness
- Gold plated BE-CU alloy contacts
- 0.15A @ 50VAC/28VDC
- Break before make
- Operating temperature: -40°C to +85°C
- Continuous load: 1 amp max.
- Front snap-tab mounting with end plates
- Switches snap together

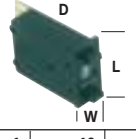
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Part No.	Mfr. Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	Pricing 1	10	50	100
26788CJ	MX72	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	**$5.69**	**$5.15**	**$4.65**	**$4.15**
26761CJ	MXEP2	Mounting end plates for 26788	1.2 x 0.2 x 1.1	—	**1.15**	**.99**	**.89**	**.79**
26817CJ	MX83	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	**4.49**	**3.95**	**3.55**	**3.19**
26770CJ	MXEP3	Mounting end plates for 26817	1.2 x 0.2 x 1.3	—	**1.05**	**.88**	**.84**	**.77**

Mini Pushbutton BCD Switch

- Operating temperature: -10˚C to +65˚C
- Switches snap together
- Positive logic ("0" all open output)
- 28VDC @ 10A
- Break before make

A Jameco EXCLUSIVE



Part No.	Mfr. Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	1	10	100
136557CJ	MX061	10-position straight	.59 x .30 x 1.0	0.12"	**$3.79**	**$3.41**	**$3.06**

SPST Round Keylock Switches

- Used in computer & other security systems
- Key removable from 2 positions
- Two keys
- Mounting hole = 0.75" except P/N 106649CJ = 0.5"

196648CJ: all keys are alike
Includes: Mounting nut

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106649CJ



105831CJ/196648CJ

Part No.	Mfr. Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	Pricing 1	10	50	100
106649CJ	KS4B	2, .21"	.55"	Barrel	125VAC/3A	**$3.59**	**$3.29**	**$2.89**	**$2.49**
105831CJ	KS3B	2, .66"	1.48"	.25" quick connect	125VAC/6A	**3.99**	**3.59**	**3.29**	**2.99**
196648CJ	3313E-M	2, .66"	1.48"	.25" quick connect	125VAC/6A	**4.49**	**3.99**	**3.65**	**3.29**

JAMECO ValuePro

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Pushbutton Switches


Fig. 1


Fig. 2

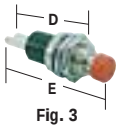


Fig. 3


Fig. 4


Fig. 5

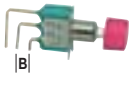


Fig. 6

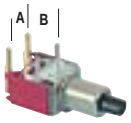


Fig. 7


Fig. 8



Fig. 9

Quantity SAVE


Fig. 10



Fig. 11



Fig. 12


Fig. 13

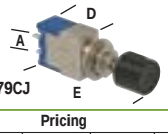
Part No.	Mfr. Cross Ref. No.	Fig.	Pins	Mounting Hole Dia.	Type ( ) Momentary	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Contact Rating	Terminal Type	Button Color	Pricing 1	10	100	500	1000
315432CJ	R13-23A-R	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	$1.29	$1.20	$.99	$.92	$.87
315483CJ	R13-23B-R	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	1.29	1.19	.99	.92	.87
315441CJ	R13-23A-B	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315491CJ	R13-23B-B	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315459CJ	R13-23A-BL	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	1.29	1.19	.99	.92	.87
315504CJ	R13-23B-BL	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	1.29	1.19	.99	.92	.87
315467CJ	R13-23A-W	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	1.29	1.19	.99	.92	.87
315512CJ	R13-23B-W	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	1.29	1.19	.99	.92	.87
315475CJ	R13-23A-Y	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	1.29	1.19	.99	.92	.87
315521CJ	R13-23B-Y	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	1.29	1.19	.99	.92	.87
315598CJ	R13-40A-R	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.35	1.23	1.10	.99	.93
315619CJ	R13-40B-R	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.59	1.45	1.33	1.21	1.13
315580CJ	R13-40A-B	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	1.35	1.23	1.10	.99	.93
315601CJ	R13-40B-B	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	1.59	1.45	1.33	1.21	1.13
26622CJ	MS102	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	.55	.50	.45	.35	.29
26649CJ	MS103	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	.55	.50	.45	.35	.29
315643CJ	R13-81-R	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	1.45	1.32	1.19	1.06	.94
315635CJ	R13-81-B	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Black	1.45	1.32	1.19	1.05	.94
154879CJ	PS11-123	6	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	1.99	1.89	1.79	1.69	1.59
71642CJ	SWB210	7	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	2.19	1.99	1.78	1.60	1.39
202999CJ	BB16	8	3	1/4"	SPST on-(on)	.39 x .35 x .35	.18	.10	0.1A @ 28VAC	Solder right angle	White	1.18	1.09	.90	.85	.82
121304CJ	CK8121	9	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	5A @ 125VAC	Solder lugs	White	3.59	3.25	2.95	2.65	2.39
28062CJ	PB126	9	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69	2.45
355451CJ	J1881	10	2*	3/8"	SPST on-(off) Alt†	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	White	1.19	1.09	.94	.83	.72
355469CJ	J1882	10	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	Red	1.09	.98	.88	.79	.70
174414CJ	R13-510A	11	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74	.69
Other Manufacturers — Great Deals																
154878CJ	PS11-123	6	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	$1.79	$1.70	$1.61	$1.51	$1.43
200774CJ	TPI2SH8AQE	7	3	7/32"	SPDT off-(on)	.32 x .20 x .33	.20	.10	1A @ 120VAC	PC right angle	Black	4.79	4.35	3.65	2.75	1.99
22200CJ	J1881	12	2*	3/8"	SPST on-off, Alt†	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	1.09	.98	.83	.67	.50
22218CJ	J1882	12	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	.99	.88	.79	.71	.62
307889CJ	DS133	13	2	29/64"	SPST off-(on)	1.03 x .56 x .46	—	—	10A @ 125VAC	Solder Lugs	Black	4.15	3.75	3.49	3.14	2.83

† Alt = alternate action *Lead wires

JAMECO ValuePro

Miniature Pushbutton Switches

- 6A@125V or 3A@250V
- Epoxy sealed
- Material: Alkyd base (UL94V-0), stainless steel cover



315379CJ

Part No.	Mfr. Cross Ref. No.	Pins	Mounting Hole Dia.	Type ( ) Momentary	Dimensions (D" x E")	Lead Spacing A"	Lead Spacing B"	Contact Rating (A @ VAC)	Terminal Type	Button Color	Pricing 1	10	100	500	1000
315379CJ	PA101A1-B/BL	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	$2.79	$2.53	$2.28	$2.05	$1.93
315387CJ	PA101A1-R/BL	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	2.79	2.53	2.28	2.05	1.93
315395CJ	PA102A1-B/BL	2	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	2.89	2.63	2.37	2.14	1.99
315408CJ	PA102A1-R/BL	2	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	2.89	2.63	2.37	2.14	1.99

Switchcraft

Button-Switch® & Cord-Switch®

297300CJ: Button-Switch®
- SPST-on (on)
- Color: black
- Mounting hole size: .469"
- Panel thickness: .297" max.
- Rating: 250mA, 30W maximum, AC, non-inductive load
- Compatible with P/N 297502CJ

297502CJ: Cord-Switch®
- Plastic insulation
- Copper alloy plated housing and switch bushing
- SPST-on (on) red pushbutton switch (same rating as P/N 297300CJ)
- Maximum cable side diameter: .375"


297300CJ


297502CJ

Part No.	Product No.	Description	1	10	25
297300CJ	913	Button-switch	$2.55	$2.36	$2.23
297502CJ	ED903	Cord-switch	10.49	8.55	8.43

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.
1-800-831-4242

Electromech

Mountain Switch

Pushbutton Switches

For Cherry Switches Visit www.Jameco.com/Cherry

• Contact rating: 3A @ 125VAC • 2-pin • Lead type: solder terminal
164566CJ /164638CJ: Contact rating: .5A @ 125VAC **164582CJ /164671CJ:** Contact rating: 1A @ 125VAC
106112CJ: Contact rating: 3A @ 110VAC


Figure 1


Figure 2

Miniature Soft Touch Switches

Part No.	Product No.	Fig.	Type ( ) Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing 1	10	100	500
164494CJ	DS450R	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	$2.09	$2.05	$1.97	$1.88
164486CJ	DS463R	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	2.15	2.05	1.95	1.85
164523CJ	DS466R	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	1.95	1.87	1.81	1.74
196921CJ	196921I	2	SPST off-on	1.6"L x 1.6"Sq.	.189"	.450"	Red	1.69	1.52	1.29	.96
164558CJ	DS471R	3	SPST off-(on)	1.2"L x .75"Sq.	.160"	.387"	Red	1.95	1.87	1.81	1.74


Figure 3


Figure 4


Figure 5


Figure 6

Standard Touch Switches

Part No.	Product No.	Fig.	Type ( ) Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing 1	10	100	500
164566CJ	MS402R	4	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	$1.15	$1.14	$1.10	$1.06
164582CJ	DS016B	5	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	1.59	1.54	1.48	1.42
164638CJ	MS3120R	6	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	1.65	1.49	1.34	1.26
164671CJ	NS801MOB	7	SPST off-(on)	1.1"L x .59"Dia.	.213"	.468"	Black	2.45	2.05	1.94	1.77
106112CJ	DS412R*	8	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	1.05	1.03	.99	.98


Figure 7


Figure 8

*Solder lugs

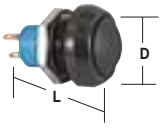
APEM

Pushbutton Switches

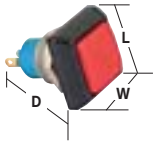
IP and AV Series Pushbutton Switches

• Panel mount
171758CJ /171766CJ: IP Series
• Initial contact resistance: 50mΩ max.
• Insulation resistance: 1GΩ min. @ 500VDC • Mounting hole: 1/2"Dia. • Dielectric strength: 1500Vrms min. • Mechanical life: 1,000,000 cycles min.
171774CJ: AV Series
• Initial contact resistance: 10mΩ max. • Insulation resistance: 1000MΩ min. • Mounting hole: 3/4"Dia. • Dielectric strength: 1000Vrms min.

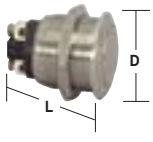
171758CJ



171766CJ



171774CJ



Part No.	Product No.	Pins	Type ( ) Momentary	Dimensions L	W	D	Lead Spacing	Contact Rating	Terminal Type	Pricing 1	10	100	250
171758CJ	IPR3SAD2	2	SPST off-(on)	0.82"	—	0.46"	0.19"	0.2A @ 250VAC	Solder	$10.39	$9.35	$8.45	$7.49
171766CJ	IPC3SAD6	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	10.39	9.35	8.45	7.49
171774CJ	AV191003C900	2	SPST off-(on)	1.20"	—	0.87"	0.37"	0.2A @ 48VDC	Screw	11.95	10.84	9.75	8.79

JAMECO ValuePro

Rocker Switches

A Jameco EXCLUSIVE


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6

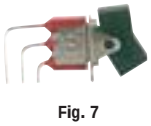

Fig. 7


Fig. 8


Fig. 9

Part No.	Mfr. Cross Ref. No.	Fig.	Pins	Type () Momentary	Contact Rating (A @ VAC)	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Lead Space A"	B"	Dimensions (L"xW"xD")	Pricing 1	10	100
316451CJ	R13-243A-02	1	2	SPST on-off	8 @ 125	.78"L x .28"W	Panel Mnt	.187" quick conn.	Black	Rectangle	0.35	—	.83 x .37 x .85	$1.39	$1.26	$1.14
316478CJ	R13-243F-02	1	2	SPST (on)-off	8 @ 125	.78"L x .28"W	Panel Mnt	.187" quick conn.	Black	Rectangle	0.35	—	.83 x .37 x .85	2.05	1.88	1.69
196154CJ	R30NSA	2	2	SPST on-off	15 @ 125	1.07"L x .43"W	Panel Mnt	.250" Quick conn.	Solid Black	Rectangle	0.45	—	1.07 x .42 x .77	1.75	1.59	1.44
316013CJ	R13-66A-B-02	3	2	SPST on-off	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Black top	Rectangle	0.31	—	.83 x .59 x .47	.99	.86	.56
316021CJ	R13-66A-R-02	4	2	SPST on-off	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red top	Rectangle	0.31	—	.83 x .59 x .47	.99	.86	.56
316128CJ	R13-73B-R-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.49	1.35	1.22
316136CJ	R13-73B-Y-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Yellow Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.49	1.35	1.22
316144CJ	R13-73B-G-02	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.65	1.50	1.35
316030CJ	R13-66B-R-02	6	3	SPST on-off	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red Illum.	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.67
316048CJ	R13-66B-G-02	6	3	SPST on-off	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.67
140531CJ	CK7101	7	3	SPDT on-on	5 @ 120	—	PC Mnt	PC right angle	Solid Black	Rectangle	0.15	—	.50 x .50 x .27	1.49	1.34	1.21
316056CJ	R13-66C-B-02	6	3	SPDT on-on	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Black	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	.96	.60
316064CJ	R13-66C-R-02	6	3	SPDT on-on	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Red	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	.96	.60
316072CJ	R13-66D-02	6	3	SPDT on-off-on	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Black (I-O-I)	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.80
316110CJ	R13-73A2-B-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Black (I-O)	Rectangle	0.20	0.34	.83 x .59 x .87	1.69	1.58	1.42
316152CJ	R13-73C-R-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.05	1.88	1.69
316161CJ	R13-73C-Y-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Yellow Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.05	1.88	1.69
316179CJ	R13-73C-G-02	8	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.25	2.04	1.84
Other Manufacturers — Great Deals																
140530CJ	CK7101	—	3	SPDT on-on	5 @120	—	PC mnt. vert.	PC right angle	Black	Rectangle	0.15	—	.50 x .50 x .27	$1.49	$1.34	$1.21
163344CJ	CKD103J5W	9	3	SPDT on-off-on	5 @ 125	.77"L x .51"W	Panel Mnt.	Solder	White	Lever type	0.20	—	.67 x .47 x .59	.28	.25	.23

Color Code Legend
New Sale Lower$ QtySave

Standard Toggle Switches

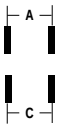
JAMECO ValuePro — A Jameco EXCLUSIVE

- Panel mount
- Mounting hole diameter: 1/2"
- Full-size round lever for standard and metal
- Full-size flat lever for plastic
- Medium duty
- Keyed plate indicates switch position

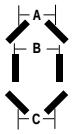
Includes: Mounting hardware and on/off plate



3-pin



2-pin or 4-pin



6-pin



Fig. 1


Fig. 2


Fig. 3

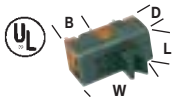

Fig. 4

Part No.	Mfr. Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing A"	B"	C"	Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing 1	10	100	500	1000
76241CJ	SWM128	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	$1.49	$1.29	$1.19	$.99	$.89
76232CJ	SWM125	2	2	SPST on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	1.75	1.59	1.45	1.29	1.15
317817CJ	R13-25A1-05	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	1.39	1.29	.85	.81	.80
317833CJ	R13-25A2-05	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	1.99	1.75	1.39	1.25	1.19
317809CJ	R13-25A1-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	1.39	1.29	.85	.81	.80
317825CJ	R13-25A2-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	1.99	1.75	1.38	1.25	1.19
318001CJ	R13-28A-01	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	1.99	1.75	1.39	1.25	1.13
318019CJ	R13-28A-05	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	1.99	1.45	1.39	1.25	1.13
318027CJ	R13-28A-06	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.25	1.99	1.55	1.39	1.25
317892CJ	R13-25C1-05	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.39	2.15	1.69	1.52	1.46
317913CJ	R13-25C2-05	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.51	1.49
317884CJ	R13-25C1-01	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	2.85	2.55	2.00	1.79	1.72
317905CJ	R13-25C2-01	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	2.45	2.15	1.69	1.51	1.49
318086CJ	R13-28C-01	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.39
318094CJ	R13-28C-05	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.39
318107CJ	R13-28C-06	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.75
317930CJ	R13-25D1-05	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.45	2.15	1.69	1.55	1.45
317956CJ	R13-25D2-05	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.55	1.45
318123CJ	R13-28D-01	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.47
318131CJ	R13-28D-05	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.47
318140CJ	R13-28D-06	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.69
158060CJ	JKN32	1	4	DPST on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.05	.95	.85	.75
76260CJ	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.75	1.59	1.45	1.29	1.15
158078CJ	JKN3CC	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.75	1.59	1.29	.99	.85
317850CJ	R13-25B1-05	3	6	DPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
318043CJ	R13-28B-01	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	3.75	3.35	2.59	2.35	2.09
318051CJ	R13-28B-05	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.75	3.35	2.59	2.35	2.09
318060CJ	R13-28B-06	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	4.59	4.15	3.19	2.89	2.75
317972CJ	R13-25E1-05	3	6	DPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
Other Manufacturers — Great Deals																
76259CJ	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	$1.59	$1.45	$1.29	$1.15	$1.05

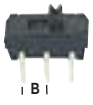
Slide Switches

JAMECO ValuePro — A Jameco EXCLUSIVE

- Two mounting flanges
- Top actuation
- Nylon actuator
- Phenolic insulated



109170CJ



161816CJ


204142CJ

Part No.	Pins	Type	Description	Housing Material #	Dimensions L"	W"	D"	Lead Spacing A"	B"	Contact Rating	Lead Length	Actuator Height	Pricing 1	10	100	250
109170CJ	3	SPDT on-on	PC mount	Plastic	.22	.45	.23	—	.12	0.5A @ 50VDC	.17"	.15"	$.31	$.26	$.23	$.19
161816CJ	6	DPDT on-on†	PC mount	Plastic	.38	.14	.13	.13	.11	0.1A @ 20VDC	.11"	.08"	.59	.49	.39	.29
Other Manufacturers — Great Deals																
204142CJ	3	SPDT on-on*	PC mount	Plastic	.77	.40	.37	—	.19	2.0A @ 28VDC	.19"	.17"	$.28	$.16	$.15	$.13

† Plastic — flanges *Side actuated # Plastic: 6/6 nylon; metal: steel zinc plated



Need an assortment of switches? Try our Switch Kit on page 144.

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

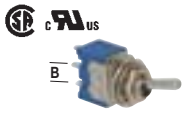
Miniature Toggle Switches

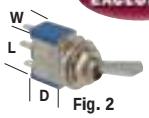
JAMECO ValuePro

- Mounting hole diameter: 1/4"

Includes: Mounting hardware

A Jameco EXCLUSIVE


Fig. 1


Fig. 2

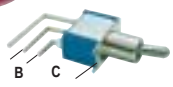

Fig. 3


Fig. 4


Fig. 5

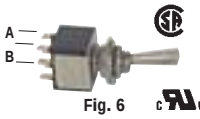

Fig. 6


Fig. 7

Part No.	Mfr. Cross Ref. No.	Fig.	Pins	Type ( ) Momentary	Dimensions L" x W" x D"	Lead Spacing A"	Lead Spacing B"	Lead Spacing C"	Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing 1	10	100	500	1000
76523CJ	JMT113	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	$1.15	$1.03	$.93	$.75	$.65
317227CJ	TD101A1✪	1	2	SPST on-off	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Round	1.95	1.89	1.81	1.75	1.33
317286CJ	TD101F1✪	2	2	SPST on-off	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	1.99	1.96	1.88	1.81	1.38
21936CJ	JMT123	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.03	.93	.75	.65
317235CJ	TD102A1✪	1	3	SPDT on-on	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Round	2.09	2.05	1.98	1.90	1.45
317294CJ	TD102F1✪	2	3	SPDT on-on	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	2.19	2.15	2.07	1.99	1.52
21910CJ	JMT121	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95	.85
317243CJ	TD103A1✪	1	3	SPDT on-off-on	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Round	2.35	2.27	2.18	2.09	1.95
317307CJ	TD103F1✪	2	3	SPDT on-off-on	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	2.39	2.34	2.25	2.16	1.65
22832CJ	LFH123	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.15	1.05	.95	.85	.75
75854CJ	SWM132	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.94	.69
317260CJ	1MS5T1B✪	1	3	SPDT on-off-(on)	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Round	2.35	2.27	2.18	2.09	1.95
317323CJ	1MS5T6B✪	2	3	SPDT on-off-(on)	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	2.39	2.34	2.25	2.16	1.65
75889CJ	SWM129	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.99	1.85	1.55	1.09	.95
317251CJ	1MS4T1B✪	1	3	SPDT (on)-off-(on)	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Round	2.35	2.27	2.18	2.09	1.95
317315CJ	1MS4T6B✪	2	3	SPDT (on)-off-(on)	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	2.45	2.39	2.31	2.21	1.70
26331CJ	MPC123	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95	.78
26315CJ	MPC121	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95	.75
71597CJ	SWM148	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.19	1.09	.91	.73	.55
75871CJ	SWM145	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86	.79
317278CJ	1MS2T1B✪	1	3	SPDT on-(on)	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Round	2.09	2.05	1.98	1.90	1.45
317331CJ	1MS2T6B✪	2	3	SPDT on-(on)	.51 x .28 x .36	—	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	2.19	2.15	2.07	1.99	1.52
317403CJ	TD201A1✪	5	4	DPST on-off	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Round	4.19	3.62	2.99	2.76	2.64
317462CJ	TD201F1✪	6	4	DPST on-off	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	5.49	4.74	3.94	3.62	3.46
22841CJ	LFH221	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.35	1.19	1.09	.95
21979CJ	JMT223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99	.59
22859CJ	LFH223	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.29	1.19	1.05	.95	.85
75900CJ	SWM133	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.85
317411CJ	TD202A1✪	5	6	DPDT on-on	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Round	4.19	3.62	2.99	2.76	2.64
317471CJ	TD202F1✪	6	6	DPDT on-on	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	5.49	4.74	3.94	3.62	3.46
317454CJ	1MD2T1B✪	5	6	DPDT on-(on)	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Round	7.89	7.16	6.72	6.24	5.97
317518CJ	1MD2T6B✪	6	6	DPDT on-(on)	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	7.39	7.05	6.65	6.35	5.99
21952CJ	JMT221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.89	.75
317420CJ	TD203A1✪	5	6	DPDT on-off-on	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Round	4.79	4.13	3.44	3.16	2.99
317489CJ	TD203F1✪	6	6	DPDT on-off-on	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	5.99	5.17	4.31	3.95	3.78
317446CJ	1MD5T1B✪	5	6	DPDT on-off-(on)	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Round	4.99	4.30	3.58	3.30	3.14
317500CJ	1MD5T6B✪	6	6	DPDT on-off-(on)	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	7.39	7.05	6.39	5.99	5.89
75951CJ	SWM130	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.89
317438CJ	1MD4T1B✪	5	6	DPDT (on)-off-(on)	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Round	4.79	4.30	3.58	3.30	3.14
317497CJ	1MD4T6B✪	6	6	DPDT (on)-off-(on)	.51 x .47 x .36	.20	.185	—	10 @ 125 & 6 @ 250	Solder	Flat	5.99	5.17	4.30	3.95	3.78
26366CJ	MPC223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.49	1.35	1.25	.99	.89
26358CJ	MPC221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.16	1.04	.89	.75
Other Manufacturers — Great Deals																
105814CJ	SWA208	5	6	DPDT on-(on)	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	$1.59	$1.45	$1.29	$1.15	$.89
202964CJ	WI24	7	6	DPDT on-off-(on)	.50 x .50 x .46	.15	.15	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.59	.79	.68	.54	.41

✪ Blue Part No. = Limited Quantity Available

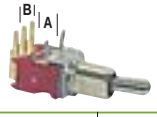
Subminiature Toggle Switches

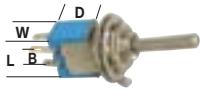
JAMECO ValuePro

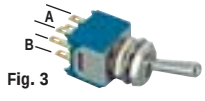
- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

A Jameco EXCLUSIVE


Fig. 1


Fig. 2

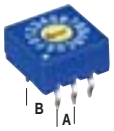

Fig. 3

Part No.	Mfr. Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing A"	Lead Spacing B"	Contact Rating	Lead Type	Lever Type	Pricing 1	10	100	500	1000
106067CJ	SWP124	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	$1.99	$1.83	$1.59	$1.44	$1.32
72160CJ	SW1501	2	2	SPST on-off	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.09	1.07	1.04	.99	.84
75969CJ	SWM136	2	3	SPDT on-on	.33 x .21 x .33	.10	—	3A @ 125VAC	Solder lugs	Round	1.55	1.44	1.21	.86	.63
72557CJ	SW1502	2	3	SPDT on-off-on	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.35	1.25	1.05	.85	.60
138907CJ	SW1503	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55
75977CJ	SWM137	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55

Excell Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction • Terminals: PC pin leads
- Life: 10,000 cycles min. • Op force: 500g-cm max.
- Max. switching load rating: 25mA @ 24VDC
- Material: 94V-0 grade, UL approved fire retardant plastic
- Lead spacing: A = 0.1"; B = 0.3"


139635CJ



139651CJ

Part No.	Product No.	Position	Adjust	Code Type	W" x D" x H"	1	10	50	100
139635CJ	ERD110RS(DRD10)	10	top	BCD	.39 x .39 x .20	$2.59	$2.33	$2.07	$1.86
139651CJ	ERD116RS	16	top	Hex	.39 x .20 x .39	2.75	2.49	2.22	1.99

Replacement Switches for AT-Style Computer Cases

PC Pushbutton Switches

- Alternate action double pole switch
- Contacts rated at 250VAC
- UL/CSA/VDE approved
- Size: 0.9"L x 0.7"W x 0.9"D



127044CJ

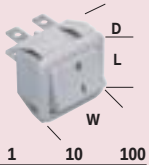
174238CJ

SALE Quantity SAVE

Part No.	Description	Current	1	10	100
127044CJ	PC push button	7.5A	$1.95	$1.66	$1.24
174238CJ	PC push button	8A	.94	.85	.78

PC Rocker Switch

- For mini-tower cases
- Contacts rated at 250VAC
- UL/CSA approved • DPST
- Size: 0.9"L x 1.2"W x 1.4"D



Part No.	Description	Current	1	10	100
127028CJ	PC rocker	10A	$2.95	$2.69	$2.39

D2F Series Subminiature PCB Plunger Switch

Use in Place of Shorting Block

- SPST (on/off)
- Contact rating: 50mA @ 24VDC
- Non-removable plunger
- Size: 0.2"W x 0.1"D x 0.38"H
- Lead length: 0.1"L
- **10 piece minimum**



Quantity SAVE

Part No.	Description	10	100	1000
172700CJ	Plunger switch	$.10	$.085	$.064

Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST


164081CJ

171871CJ: 500mA @ 100VDC
- Size: 0.53"L x 0.1"Dia.

164081CJ: 1A @ 250VAC; 1A @ 50VDC
- Size: 1.43"L x 0.2"Dia.

Part No.	Mfr. Cross Ref. No.	1	10	100	1000
171871CJ	MKA14103	$.79	$.64	$.46	$.41
164081CJ	MRS1	.79	.63	.43	.39

Tri-State DIP Switch

- Switch contacts: bussed, tri-state
- Labeled tri-state positions (+, 0, -)
- Contact rating: 24VDC @ 25mA • 8 positions
- Two isolated busses • Pre-tinned leads
- Compatible socket, use P/N 37372CJ, pg 120



Part No.	Mfr. Cross Ref. No.	1	10	50	100
138991CJ	ETA108E	$1.95	$1.75	$1.55	$1.35

Rotary DIP Switch



- Fully sealed construction
- Rotor and switch body: plastic (UL94V-0)
- Contact and terminal material: copper alloy plated
- Code type: HEX • 16-position
- Make and break current rating: 30mA @ 30VDC for 10,000 cycles
- 0.1" x 0.3" pin spacing (standard through hole)
- Top adjustment
- Size: 0.39"W x 0.39"D x 0.20"H

SALE

Part No.	Product No.	1	10	100	1000
215992CJ	HAB16	$1.29	$1.18	$1.07	$.97

Switch Assortment Kit

Includes:



- 20-drawer component cabinet (319599CJ), 20 clear plastic drawers (319601CJ), 20 clear dividers (319610CJ), pg 258 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523CJ, 21936CJ, 21910CJ, 26331CJ, 26315CJ, 21979CJ, 21952CJ, 26366CJ, 26358CJ), pg 143
- 10 ea. slide switches (109170CJ), pg 142
- 10 ea. pushbutton switches (26622CJ, 26649CJ), pg 140
- 10 ea. DIP switches (38818CJ, 38842CJ), pg 144
- 10 ea. tactile switches (153251CJ), pg 145

SAVE $51



Part No.	Description	Wt. (lbs.)	1	10
85059CJ	150 pcs. switch kit	5.0	$98.95	$88.95

DIP Switches


206359CJ


139002CJ


139011CJ

- Switch contacts: SPST
- Switches are numbered
- 50VDC @ 100mA
- Molded construction
- Standard switches have raised lever
- LP switches are flush to casing
- Pre-tinned leads

A Jameco EXCLUSIVE


38842CJ


38800CJ

Compatible Socket Chart, see page 120 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109058CJ	112192CJ	38827CJ	37161CJ	101857CJ	38113CJ
38819CJ	51570CJ	38842CJ	37372CJ	38798CJ	38607CJ
139003CJ	51570CJ	139011CJ	37372CJ	38800CJ	39378CJ
109057CJ	112192CJ	139002CJ	51570CJ	101856CJ	38113CJ
38818CJ	51570CJ	38826CJ	37161CJ	38797CJ	38607CJ
206359CJ	51570CJ	38834CJ	37161CJ		

Part No.	Mfr. Cross Ref. No.	Pos.	Pricing 1	10	100	1000
109058CJ	206-2	2	$.75	$.68	$.61	$.55
38819CJ	206-4	4	.65	.55	.49	.45
139003CJ	206-4LP	4	.79	.70	.55	.44
38827CJ	206-6	6	.99	.89	.79	.72
38842CJ	206-8	8	.89	.80	.72	.64
139011CJ	206-8LP	8	.85	.76	.61	.47
101857CJ	206-9	9	.85	.79	.69	.54
38798CJ	206-10	10	.95	.86	.68	.59
38800CJ	206-12	12	1.05	.99	.93	.62
Other Manufacturers — Great Deals						
109057CJ	206-2*	2	~~$.75~~ $.69	$.61	$.56	$.51
206359CJ	206-3* ✪	3	.79	.65	.55	.413
38818CJ	206-4	4	.48	.44	.40	.36
139002CJ	206-4LP*	4	~~$.79~~ .73	.64	.51	.41
38826CJ	206-6*	6	~~$.99~~ .91	.82	.73	.66
38834CJ	206-7*	7	.95	.86	.77	.62
101856CJ	206-9*	9	~~$.85~~ .78	.73	.61	.46
38797CJ	206-10*	10	~~$.95~~ .87	.79	.71	.59

* Manufacturer may vary ✪ Blue Part No. = Limited Quantity Available

Switch Grab Bags


18235CJ


135378CJ

18235CJ: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches

135378CJ: 1 lb. (appox. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches

Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235CJ	GB165	0.4	$8.75	$7.69
135378CJ	GB165LB	1.0	18.95	16.95

Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipment.

Tactile Switches

JAMECO ValuePro

A Jameco EXCLUSIVE


Fig. 1

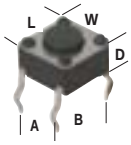


Fig. 2

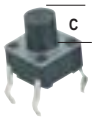


Fig. 3



Fig. 4


Fig. 5


Fig. 6



Fig. 7

- Bounce time: 10 msec.
- SPST momentary ON
- Contact resistance: 100mΩ
- Lead type: PC


Fig. 8


Fig. 9


Fig. 10


Fig. 11

SALE

✳ 10 piece minimum

Part No.	Mfr. Cross Ref. No.	Fig.	Pins	Dimensions (in.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100	250
122972CJ	DTS1212	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	$.26	$.23	$.19	$.17
119010CJ	KTIIBICM	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.22	.20
149948CJ	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	✳	.23	.21	.19
115087CJ	KIE22	4	2	.24	.24	.22	—	—	.25	20 @ 15	Blue	✳	.25	.223	.204
199727CJ	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	.30	.221	.196	.187
200362CJ	EVQPB04K ♦†	8	5	.24	.24	.14	.30	.17	.26	20 @ 15	Black	.29	.26	.23	.20
137189CJ	PBS103	1	4	.47	.47	.17	—	.20	.50	50 @ 12	Black	.39	.35	.32	.19
153251CJ	SDT620K	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20	.18
155248CJ	KRS-3550-BK	5	2	.24	.14	.15	—	—	.27	50 @ 12	Black	.22	.20	.16	.15
155379CJ	KRS-1273B ♦	6	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31	.26

♦ See switch caps below

Tactile Switch Caps♦

10 piece minimum

Part No.	Mfr. Cross Ref. No.	Fig.	Description	Size (in.)	Material	For Use With	10	100	250
155389CJ	KRS-CAP-A	10	Square	.47"L x .47"W x .16"H	Plastic	P/N 155379CJ	$.15	$.11	$.10
155408CJ	KRS-CAP-B	11	Round	.50"Dia. x .25"H	Plastic	P/N 155379CJ	.15	.13	.11

Other Manufacturers — Great Deals

Part No.	Mfr. Cross Ref. No.*	Fig.	Pins	Dimensions (in.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100	250
199726CJ	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	$.27	$.199	$.176	$.168
200361CJ	EVQPB04K †	8	5	.24	.24	.14	.30	.17	.26	20 @ 15	Black	.21	.10	.094	.086
155256CJ	KRS-3550-WH	5	2	.24	.14	.15	—	—	.27	50 @ 12	White	.26	.14	.13	.12
206341CJ	KPT1107A	5	2	.24	.14	.15	—	—	.25	50 @ 12	Beige	.23	.21	.19	.17
202956CJ	KSM06330	9	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	.26	.15	.13	.12

* Manufacturer may vary

† **200362CJ/ 200361CJ:** with ground pin

SP5T Rotary Switch

- Panel mount • Fixed stop • 1/8" screwdriver slotted shaft • 0.06" solder terminals
- 36˚ angle of throw • Single pole, 5-positions • Contact resistance: 20mΩ max.
- Insulation resistance: 1,000MΩ minimum between mutually insulated parts
- Material: stainless steel shaft and detent contact springs; brass terminals (gold plated over nickel plate); zinc, cadmium plated bushing



✪ Blue Part No. = Limited Quantity Available

SALE

Part No.	Product No.	Description	1	10	100
184727CJ	50AB36-01-1-5-F ✪	SP5T panel mount rotary switch	$.33	$.30	$.28

Rotary Switches

JAMECO ValuePro

A Jameco EXCLUSIVE

Quantity SAVE

- Contact rating: 30VDC @ 0.3A • Insulation resistance: 10MΩ min.
- Contact resistance: 30mΩ • Lug size: 0.07" • Mounting hole diameter: 3/8" • Layers: 1
- Material: solid brass bushings, slotted aluminum shafts, plated frame, phenolic contact wafer (except for P/N 101565CJ – plastic casing) • Make before break • Solder lugs
- Compatible with Jameco rotary knobs P/N 102787CJ and 104176CJ, pg 154 • Panel mount

Includes: Washer and nut


101573CJ

Part No.	Mfr. Cross Ref. No.	Poles	Position	Shaft Size (L" x Dia.")	1	10	100
101531CJ	RS0261	1	12	0.46 x 0.25	$1.29	$1.10	$.82
101573CJ	RS022	2	6	0.46 x 0.25	1.35	1.15	.86
101565CJ	RS023	3	4	1.16 x 0.25	1.95	1.59	1.25
101557CJ	RS024	4	3	0.46 x 0.25	1.09	.93	.69

16-Button Numeric Keypad

JAMECO ValuePro

- 4 x 4 matrix keypad
- Contact rating: 24VDC @ 20mA
- Life test: 1,000,000 life cycles per key
- 8-position solder pad
- Contact resistance: 200Ω max.
- Size: 3.0"L x 2.8"W x 0.6"H

A Jameco EXCLUSIVE

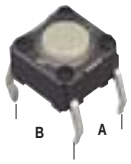


Part No.	Description	1	10	100
169244CJ	Numeric keypad	$7.95	$6.95	$6.25

B3F Series Miniature Tactile Key Switch

OMRON

Miniature, low profile and easy mounting. Applications: audio, office & communications equipment, measuring instruments, TVs, VCRs, etc.



- Extended mechanical/electrical service life
- Flux-tight base structure allows automatic soldering of the key switch onto a PC board
- Lead spacing: A = 0.18"; B = 0.26"
- Operating force: 188787CJ general purpose 100g P/N 162886CJ and high-force 260g
- Dimensions: 162886CJ 4.3 mm x 6.5 mm 188787CJ 7.3mm x 6.5mm

Part No.	Type	1	25	50	100
162886CJ	B3F-1000	$.45	$.40	$.36	$.33
188787CJ	B3F-1050	.35	.29	.21	.17

12-Button Telephone Keypads

JAMECO ValuePro

A Jameco EXCLUSIVE


153488CJ

- White plastic
- 8-pin .100" header
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200Ω max.
- Tactile type keypad
- Life test: 1,000,000 cycles per key
- Size: 2.8"L x 2.2"W x 0.6"H

Part No.	Description	1	10	100
190561CJ	Numeric keypad	$8.75	$7.45	$5.59
153488CJ	Alpha numeric keypad	9.49	8.55	7.69

16-Button Keypad Switch


302025CJ

- ½" button centers
- Flange mounted
- Top surface or sub-surface mounting
- Snap-dome contact provides positive feedback
- 4" x 4" grid
- Rating @ 24VDC: 10mA resistive
- Contact resistance: 10Ω maximum (compatible with MOS, TTL, and DTL)
- Voltage breakdown: 250VAC between mutually insulated parts
- Life expectancy: 3,000,000 operations per button

Part No.	Product No.	1	10	100
302025CJ	86BB2-006	$18.55	$16.79	$16.15

16-Button Indoor/Outdoor Keypads


196171CJ

- 9-pin .100" headers
- Fully sealed snap-dome contact
- For indoor or outdoor use
- Contact rating: 24VDC @ 10mA resistive
- Life test: 3,000,000 cycles per key
- Compatible with MOS, TTL and DTL (10Ω max.)
- Recommended connector: P/N 103190CJ header and P/N 100765CJ pin, pg 121
- Size (housing): 4.7"W x 1.7"H x 0.4"T


152063CJ

✳ **Prepackaged: order in increments of 10 or 100**

Part No.	Description	1	10	100
196171CJ	2x8 matrix keypad	$16.95	$15.29	$13.75
152063CJ	4x4 matrix keypad	14.95	13.49	11.95
103190CJ	Header housing (10-pin)	.42	.39	.36
100765CJ	Header pin (10 per pack) ✳	.11	.09	

Potter & Brumfield Relays

Lower $$$

- UL/CSA approved
- Industry standard termination for quick installation
- Contact arrangements from SPDT to 4PDT
- Wide range of coil voltages for industrial and commercial applications


Figure 1


Figure 2


Figure 3


Figure 4


Figure 5


Figure 6


Figure 7


Figure 8

Part No.	Product No.	Tyco No.	Figure	Contact Form	Coil Voltage	Coil Resistance (Ω)	Coil Current (mA)	Mating Socket*		Pricing			
								Standard	DIN Rail	1	10	25	50
282247CJ	K10P-11A15-120	4-1393144-0	1	DPDT	120VAC	3,900	11	27E488/489	27E895	$6.99	$6.49	$6.09	$5.42
282255CJ	K10P-11D15-12	5-1393144-5	1	DPDT	12VDC	160	75	27E488/489	27E895	7.25	6.90	6.54	5.90
282263CJ	K10P-11D15-24	5-1393144-7	1	DPDT	24VDC	650	37	27E488/489	27E895	7.29	6.55	6.35	5.78
282280CJ	KHAU-17A11-24	2-1393122-1	2	4PDT	24VAC	160	52	27E166	27E894	5.45	5.29	5.17	4.77
282271CJ	KHAU-17A11-120	2-1393122-0	2	4PDT	120VAC	3,900	11	27E166	27E894	6.09	5.949	5.809	4.986
282301CJ	KHAU-17D11-12	4-1393122-3	2	4PDT	12VDC	160	100	27E166	27E894	5.69	5.52	5.352	5.077
282319CJ	KHAU-17D12-24	5-1393122-7	2	4PDT	24VDC	650	52	27E166	27E894	6.15	5.925	5.699	5.259
282327CJ	KHU-17A11-120	2-1393123-4	3	4PDT	120VAC	3,900	11	27E166	27E894	20.25	19.90	19.79	19.68
300943CJ	KRPA-5AG-24	9-1393104-9	4	SPDT	24VAC	85	84	27E122	27E891	26.35	24.92	23.40	22.01
282431CJ	KRPA-5AG-120	9-1393104-8	4	SPDT[G]	120VAC	2,250	17.5	27E122	27E891	16.45	15.84	15.23	14.06
300951CJ	KRPA-5AY-120	1393105-1	4	SPDT[V]	120VAC	2,250	17.5	27E122	27E891	24.55	23.26	21.84	20.06
300960CJ	KRPA-5DG-12	1393105-3	4	SPDT	12VDC	120	100	27E122	27E891	18.15	17.99	17.83	17.35
282440CJ	KRPA-5DG-24	1393105-4	4	SPDT	24VDC	472	51	27E122	27E891	17.65	16.52	15.42	13.95
300986CJ	KRPA-11AG-6	2-1393104-8	4	DPDT	6VAC	6	335	27E122	27E891	16.19	15.72	15.25	14.08
282335CJ	KRPA-11AG-12	2-1393104-4	4	DPDT[G]	12VAC	24	168	27E122	27E891	~~$15.09~~ 12.55	11.54	10.99	9.95
282351CJ	KRPA-11AG-24	1-1393105-2	4	DPDT[G]	24VAC	85	84	27E122	27E891	10.79	10.37	9.87	9.10
282343CJ	KRPA-11AG-120	2-1393104-5	4	DPDT[G]	120VAC	2,250	17.5	27E122	27E891	10.05	9.82	9.55	8.79
300994CJ	KRPA-11AG-240	2-1393104-7	4	DPDT[G]	240VAC	9,110	8.75	27E122	27E891	17.95	17.42	16.88	15.58
301006CJ	KRPA-11AN-12	3-1393104-1	4	DPDT[N]	12VAC	24	168	27E122	27E891	15.15	14.72	14.29	13.20
301014CJ	KRPA-11AN-24	3-1393104-3	4	DPDT[N]	24VAC	85	84	27E122	27E891	17.25	16.50	15.77	14.57
282360CJ	KRPA-11AN-120	3-1393104-2	4	DPDT[N]	120VAC	2,250	17.5	27E122	27E891	10.89	10.53	10.16	9.35
301022CJ	KRPA-11AN-240	3-1393104-4	4	DPDT[N]	240VAC	9,110	8.75	27E122	27E891	~~$18.69~~ 14.75	13.83	12.91	11.68
301031CJ	KRPA-11AY-24	3-1393104-7	4	DPDT[Y]	24VAC	85	84	27E122	27E891	15.69	15.24	14.79	13.65
301049CJ	KRPA-11AY-120	3-1393104-6	4	DPDT[Y]	120VAC	2,250	17.5	27E122	27E891	~~$16.99~~ 11.55	11.05	10.56	9.75
301057CJ	KRPA-11DG-6	4-1393104-7	4	DPDT	6VDC	22	188	27E122	27E891	13.09	12.90	12.70	12.36
282378CJ	KRPA-11DG-12	4-1393104-3	4	DPDT[G]	12VDC	120	100	27E122	27E891	10.75	10.31	9.87	9.10
282386CJ	KRPA-11DG-24	4-1393104-5	4	DPDT[G]	24VDC	472	51	27E122	27E891	12.25	11.65	11.30	10.51
301065CJ	KRPA-11DG-48	4-1393104-6	4	DPDT	48VDC	1,800	26.6	27E122	27E891	16.35	15.79	15.24	14.06
301073CJ	KRPA-11DG-110	4-1393104-2	4	DPDT[G]	110VDC	10,000	11.5	27E122	27E891	13.05	12.47	11.88	10.89
301081CJ	KRPA-11DG-125	4-1393104-4	4	DPDT	125VDC	10,000	11.5	27E122	27E891	16.95	16.40	15.84	14.61
301090CJ	KRPA-11DN-12	5-1393104-0	4	DPDT[N]	12VDC	120	100	27E122	27E891	15.75	15.58	14.62	12.99
282394CJ	KRPA-11DN-24	5-1393104-1	4	DPDT[N]	24VDC	472	51	27E122	27E891	11.15	10.68	10.21	9.42
301102CJ	KRPA-11DN-110	4-1393104-9	4	DPDT[N]	110VDC	10,000	11.5	27E122	27E891	17.65	17.18	16.71	14.85
301111CJ	KRPA-11DY-24	5-1393104-7	4	DPDT[Y]	24VDC	472	51	27E122	27E891	~~$14.65~~ 12.55	11.77	10.99	9.95
301145CJ	KRPA-14AN-24	7-1393104-4	4	3PDT[N]	24VAC	85	84	27E123	27E892	14.89	14.69	14.48	14.09
282415CJ	KRPA-14AN-120	7-1393104-3	4	3PDT[N]	120VAC	2,250	17.5	27E123	27E892	13.45	12.88	12.30	11.37
301153CJ	KRPA-14AN-240	7-1393104-5	4	3PDT[N]	240VAC	9,110	8.75	27E123	27E892	21.85	20.68	19.42	18.27
301129CJ	KRPA-14AG-24	6-1393104-7	4	3PDT[G]	24VAC	85	84	27E123	27E892	11.09	10.64	10.17	9.75
282407CJ	KRPA-14AG-120	6-1393104-5	4	3PDT[G]	120VAC	2,250	17.5	27E123	27E892	11.79	11.20	10.82	9.98
301137CJ	KRPA-14AG-240	6-1393104-8	4	3PDT[G]	240VAC	9,110	8.75	27E123	27E892	19.35	18.84	18.33	17.72
301161CJ	KRPA-14AY-24	7-1393104-8	4	3PDT[Y]	24VAC	85	84	27E123	27E892	18.25	17.84	16.75	15.76
301170CJ	KRPA-14AY-120	7-1393104-7	4	3PDT[Y]	120VAC	2,250	8.75	27E123	27E892	18.25	17.49	16.72	15.43
301188CJ	KRPA-14DG-12	8-1393104-2	4	3PDT	12VDC	120	100	27E123	27E892	13.95	13.55	13.16	12.21
282423CJ	KRPA-14DG-24	8-1393104-4	4	3PDT[G]	24VDC	472	51	27E123	27E892	12.05	11.57	11.08	10.22
301196CJ	KRPA-14DG-48	8-1393104-5	4	3PDT	48VDC	1,800	26.6	27E123	27E892	20.35	19.26	18.09	17.01
301209CJ	KRPA-14DG-110	8-1393104-1	4	3PDT	110VDC	10,000	11.5	27E123	27E892	~~$18.99~~ 15.89	14.39	13.89	12.56
301217CJ	KRPA-14DN-24	9-1393104-0	4	3PDT[N]	24VDC	472	51	27E123	27E892	~~$18.39~~ 12.49	11.97	11.44	10.55
282458CJ	KUHP-11A51-120	6-1393114-9	5	DPDT	120VAC	1,700	24	—	—	11.09	10.89	10.85	10.75
282466CJ	KUL-11A15S-120	2-1393115-6	6	DPDT	120VAC	3,700	30	27E121	27E893	34.05	31.24	29.81	26.97
282474CJ	KUP-14A15-120	7-1393117-8	7	3PDT[1]	120VAC	1,700	24	27E121	27E893	10.49	10.19	9.89	9.20
282482CJ	KUP-14A35-120	8-1393117-7	7	3PDT[2]	120VAC	1,700	24	27E121	27E893	12.49	11.87	11.24	10.06
282503CJ	KUP-14D15-24	1-1393118-4	7	3PDT	24VDC	472	51	27E121	27E893	11.45	10.72	9.99	9.07
282491CJ	KUP-14D15-110	1-1393118-2	7	3PDT	110VDC	10,000	11	27E121	27E893	~~$13.09~~ 11.89	11.15	10.41	9.42
282538CJ	R10-E1X4-V185	1-1393766-4	8	4PDT	12VDC	185	60	27E163	27E461	14.89	14.37	13.84	12.93

* For sockets see page 147

Y = Silver contacts, no indicator lamp G = Silver-cadmium oxide, no lamp N = Silver-cadmium oxide with lamp

1 = Plain case 2 = with indicator lamp

Relay Sockets

Lower $$$


282132CJ


282183CJ


282124CJ


282191CJ

Relay Sockets for KRPA Series (Octal)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282132CJ	27E122	DPDT	8	Standard	$3.95	$3.80	$3.66	$3.26
282159CJ	27E891	DPDT	8	DIN Rail	4.56	4.33	4.16	3.83
282141CJ	27E123	3PDT	11	Standard	4.75	4.40	4.05	3.60
282167CJ	27E892	3PDT	11	DIN Rail	7.89	7.33	6.77	6.02

Relay Socket for KHAU Series

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282183CJ	27E894	4PDT	14	DIN Rail	$6.75	$6.48	$6.20	$5.51

Relay Sockets for KUP Series (11-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282124CJ	27E121	3PDT	11	Standard	$6.99	$6.49	$5.99	$5.32
282175CJ	27E893	3PDT	11	DIN Rail	7.89	7.50	7.27	6.54

Relay Socket for K10 Series (8-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282191CJ	27E895	DPDT	8	DIN Rail	$5.59	$5.19	$4.79	$4.42

DIN Rail Mount Socket and Track Mounting System

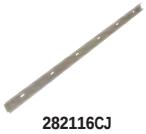
For use with KHAU, KUP, and K10 series DIN relay sockets

282204CJ: End clip insulator for preventing sockets from moving sideways or sliding off track

282108CJ: Steel mounting clip with #6-32 screw (7/16")


282204CJ


282108CJ


282116CJ

Part No.	Product No.	Description	1	10	25	50
282204CJ	40G432	Mounting plastic insulator	$.62	$.61	$.60	$.58
282108CJ	24A071	Steel mounting clip	.52	.48	.46	.45
282116CJ	24A110	36" mounting track	10.15	9.59	9.03	8.28

S89R Series Bistable, Impulse Relay



- Contact rating: 15A • Nominal power: 9W@25°C
- Contact life: 10 million operations; 50,000 mechanical operations
- Initial breakdown voltage: 1,500Vrms, 60Hz
- Dust cover with octal plug-in base • Current: 75mA

Part No.	Product No.	Voltage	Resistance	1	10	25	50
282546CJ	S89R11APP1-120	120VAC	260Ω	$57.65	$56.05	$54.22	$38.97

VF4 Series 40A General Purpose Plug-In Relay



- Expected life: 10 million operations;100,000 mechanical operations @ 40A • SPDT
- Dielectric strength: 500Vrms between contact and coil
- Initial operate time: 7ms typical with rated coil voltage applied
- 0.250" quick connected and printed circuit terminals

Part No.	Product No.	Voltage	Resistance	1	10	25	50
282554CJ	VF4-45F11	12VDC	90Ω	$3.69	$3.47	$3.25	$2.95

W58 Series Thermal Circuit Breakers


282597CJ

- Max. operating voltage: 50VDC; 250VAC 50/60Hz
- Interrupt capacity: 2,000A @ 50VDC; 1,000A @ 250VAC 50/60Hz
- Endurance cycling: >1,000 operations @ 200% of rating
- Dielectric strength: >1,500Vrms
- Push button to reset breaker

Part No.	Product No.	Amp	Resistance	1	10	25	50
282562CJ	W58-XB1A4A-10	10	0.014	$3.29	$3.21	$3.12	$3.06
282571CJ	W58-XB1A4A-15	15	0.010	3.49	3.40	3.30	2.94
282589CJ	W58-XB1A4A-20	20	0.006	3.55	3.43	3.31	2.94
282597CJ	W58-XB1A4A-30	30	—	3.45	3.33	3.21	2.91

CNS Series Multifunction Time Delay Relays


282212CJ

- DPDT • Rating: 10A @ 30VDC or 277VAC
- Electrical life: 100,000 operations at rated load
- Dielectric strength: 1,000Vrms, 60Hz between open contacts; 1,500Vrms, 60Hz between all other conductors

Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 25VAC/VDC

Part No.	Product No.	Voltage	Timing Functions	Pins	1	10	25	50
282212CJ	CNS-35-92	24-240VAC/VDC	4	8	$67.89	$62.23	$56.57	$53.34
282221CJ	CNS-35-96	24-240VAC/VDC	8	11	79.05	75.46	71.87	69.76

CNT Series Multifunction, Digital Time Delay Relay/Counter



- Digital adjustment via thumbwheel switches
- Maximum count: 1 to 999; 10 to 9,990; 100 to 99,900
- Maximum count rate: 100 counts per second
- Rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 100,000 operations min. at rated load
- 11-pin octal style plug • DPDT
- Dielectric strength: 1,000Vrms, 60Hz between open contacts; 1,500Vrms between all other contacts

Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 24VAC/VDC

Part No.	Product No.	Voltage	1	10	25	50
282239CJ	CNT-35-96	24-240VAC/VDC	$92.25	$89.97	$87.17	$84.94

PRD Series Heavy Duty Open Relay



- SPDT • Expected life: 100,000 operations at rated load
- Contact rating: 25A @ 277VAC • Current: 85mA
- Nominal power: -9.8W @ 25°C • Resistance: 290Ω
- Auxiliary snap action switch rating: 5A @ 120VAC, 60Hz

Lower $$$

- Initial breakdown voltage: 2,000Vrms min. between all elements and ground

Part No.	Product No.	Voltage	1	10	25	50
282520CJ	PRD-5AY0-120	120VAC	$20.85	$20.08	$19.31	$17.47

ODC Series Input/Output Module Relay



- Switch form: SPST-NO • Resistance: 250Ω
- Isolation: 4,000Vrms, 60Hz
- Capacitance: 8pF typical (input to out put)

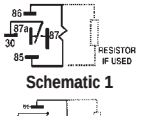
Lower $$$

Part No.	Product No.	Voltage	1	10	25	50
282511CJ	ODC-5	5VDC/3-60VDC	$9.15	$9.00	$8.85	$7.65

Potter & Brumfield Type Plastic Enclosed Construction Relays

VF4 Type

- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A • Terminal type: quick connect
- Coil voltage: 12VDC except P/N 171521CJ (5VDC)
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 1


Schematic 2


171432CJ (Fig. 1)


171441CJ (Fig. 2)


171459CJ (Fig. 3)

Part No.	Mfr. Cross Ref. No.	P&B Cross Reference	Fig.	Contact Form	Coil Ohms	Contact Schematic	Contact Voltage	Pins	Pricing 1	10	50	100
171459CJ	LD1A-12F	VF4-81F11S01	3	SPST-NO	78	2	14VDC	4	$1.89	$1.75	$1.55	$1.29
171441CJ	961A-1A12D	VF4-11F11	2	SPST-NO	90	2	14VDC	4	2.35	2.20	2.14	2.09
171521CJ	LD5F	VF4-45D11	1	SPDT	14	1	5VDC	5	1.69	1.35	1.05	.93
148582CJ	LD12F	VF4-85F11	1	SPDT	78	1	12VDC	5	2.49	2.25	1.95	1.75
171432CJ	961A-1C-12DM	VF4-81F11	1	SPDT	90	1	12VDC	5	2.99	2.69	2.25	1.65

Relay Socket with Coil Diode

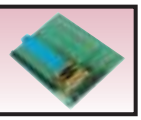
VF4 Type



- For use with P/N 148582CJ, left
- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire
- Contact voltage/current: 12V/20A
- Diode coil suppression • 7.5" wire

Part No.	Ref. No.	1	10	50	100
170624CJ	RSDO3	$2.35	$2.15	$1.89	$1.55

Universal Relay Card
See page 267



Small High-Current PC Mount Relays

Quantity SAVE

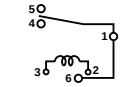
An inexpensive means of switching loads up to 30 amps. While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.

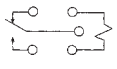
- Meets UL class F insulation standard
- Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500Vrms (between contact and coil)

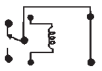
104926CJ: Open frame relay

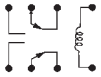
129349CJ: Immersion cleanable, plastic sealed case

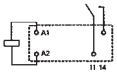
144186CJ: For use with universal relay card (P/N 128910CJ, pg 267)

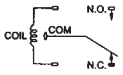

Fig. 1

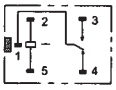

Fig. 2

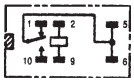

Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8

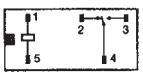
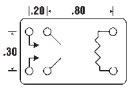

Fig. 9


Fig. 10


Fig. 11


Fig. 12


A


B


C


D


E

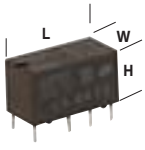

F


G


H


I


J



K

Part No.	Product No.	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing 1	10	50	100
145752CJ	L90A-12W*	Rayex	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	$2.45	$2.10	$1.85	$1.49
195864CJ	RP838012	Schrack	—	5E	SPST	12VDC	270	250VAC	12A	4	1.1 x .48 x 1.0	1.35	1.09	.81	.57
134949CJ	L90-5W	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	2.49	2.15	1.93	1.65
174449CJ	LU-5	Rayex	T81H5D215	3B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	1.79	1.66	1.55	1.49
187151CJ	G5LE-1DC5	Omron	—	7G	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	1.49	1.30	1.15	1.09
187240CJ	G5V-1-DC5	Omron	—	8H	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.05	1.79	1.59	1.50
104926CJ	733SPDT12VDC*	Song Chuan	T90N5D12-12	1D	SPDT	12VDC	155	240VAC/28VDC	20A/10A	6	1.2 x .90 x .63	1.85	1.69	1.49	1.27
129349CJ	832-IC-S	Song Chuan	T90S5D12-12	1A	SPDT	12VDC	155	277VAC/28VDC	20A/10A	6	1.2 x 1.0 x .75	2.15	1.90	1.69	1.39
186669CJ	G2R-14-DC12	Omron	—	9I	SPDT	12VDC	275	250VAC/30VDC	10A	5	1.2 x .51 x 1.0	2.99	2.85	2.69	2.67
172937CJ	JS1-12V	Nais (Aromat)	T72M5D121-12	6F	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	1.09	.99	.89	.75
144186CJ	JZC-22F	Velleman	VR15M121C	2B	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	3.79	3.39	3.05	2.75
174431CJ	LEG-12F	Rayex	T7CS5D12	2B	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	1.49	1.29	1.19	1.09
184461CJ	G5V-1-DC12	Omron	—	8H	SPDT	12VDC	960	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.25	1.79	1.58	1.42
187282CJ	G6A-234PSTUSDC5	Omron	—	10J	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	3.95	3.63	3.33	3.07
174377CJ	LM2-12D	Rayex	RKA5DZ12	4C	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	2.49	2.25	1.95	1.75
187258CJ	G5V-2-DC12	Omron	—	11K	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	2.49	2.28	2.02	1.82
200740CJ	G5V-2-H1-24	Omron	—	11K	DPDT	24VDC	2800	125VAC/24VDC	.5A/1A	8	.81 x .40 x .45 ~~$2.59~~	2.29	2.06	1.65	1.24
215909CJ	RKA-7DZ-12	P & B	—	12I	DPST-NO	12VDC	270	250VAC/24VDC	5A/5A	6	1.16 x .57 x 1.05	2.29	1.95	1.69	1.39

*Manufacturer may vary

General Purpose Relays

JAMECO ValuePro

LB2 Series

- Contact rating: 240VAC/30VDC @ 12A • DPDT
- Mechanical life: 10,000,000 operations • 8-pin
- Electrical life: 100,000 operations min. at rated load




Part No.	Product No.	P & B Cross Ref.	Coil Voltage	1	10	50	100
172718CJ	LB2-12DS	K10-11D15-12	12VDC	$4.99	$4.49	$3.99	$3.59
175564CJ	LB2-24DS	K10-11D15-24	24VDC	5.99	5.49	4.93	4.49
175572CJ	LB2-110AS	K10-11A15-120	110VAC	6.25	5.49	4.99	4.39

LB4H Series

- Insulation resistance: 1,500MΩ @ 500VDC
- Mechanical life: 10,000,000 operations • 4PDT
- Contact rating: 240VAC/30VDC @ 5A • 14-pin
- Electrical life: 100,000 operations min. at rated load




Part No.	Product No.	P & B Cross Ref.	Coil Voltage	1	10	25	50
291506CJ	LB4H-12DS	KHAU-17D12-12	12VDC	$4.45	$4.33	$4.20	$4.03
175601CJ	LB4H-24DS	KHAU-17D12-24	24VDC	5.09	4.93	4.77	4.36
175610CJ	LB4H-110AS	KHAU-17A12-120	110VAC	4.69	4.58	4.47	4.24

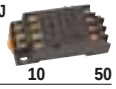
Relay Socket

- DIN rail snap socket for LB2 & LB4H relays

175530CJ



175556CJ



Part No.	Product No.	P & B Cross Ref.	Pins	1	10	50
175530CJ	PTF-08A-A	27E895	8	$5.95	$5.39	$4.85
175556CJ	PYF-14A-A	27E894	14	3.95	3.49	2.95

KHAU Type Relay



- Insulation resistance: 1,500MΩ @ 500VDC • 4PDT • 14-pin
- Life: (mechanical) 10,000,000 operations; (electrical) 100,000 operations min. at rated load • Contact rating: 220VAC/24VDC @ 5A

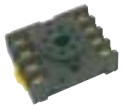
Part No.	Product No.	P & B Cross Ref.	Coil Voltage	1	10	25	50
183011CJ	GM4PDT12DF	KHAU-17D12-12	12VDC	$7.59	$6.99	$6.64	$5.51

Beta Electric General Purpose Relays

Pin Type Terminals

- DPDT • 8-pin octal style plug
- Contact rating: 120/240VAC, 28VDC @ 10A
- Ambient operating temp.: -10˚C to +50˚C
- Size: 1.4"L x 1.4"W x 2.7"H


139766CJ/ 139740CJ


141145CJ


141153CJ

BTA1 Series Relays

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139766CJ	BTA1-2C-12VDC	R02-11D10-12	12VDC	$9.49	$8.55	$7.69
139740CJ	BTA1-2C-120VAC	R02-11A10-120	120VAC	9.95	8.79	7.99

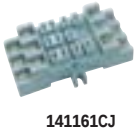
BTA1 Series Sockets

Part No.	Voltage	Current	Pins	Dimensions	1	10	50
141145CJ	250VAC	20 amps	8	2.0"L x 1.6"W x 0.8"H	$3.99	$3.65	$2.99
141153CJ	250VAC	20 amps	11	2.0"L x 1.7"W x 1.2"H	5.19	4.67	4.11

BTA2 Series Quick Connect Blade Terminal

Flat terminals (0.187" x 0.020") for standard plug-in mounting; also accepts quick-connect receptacles or direct soldering.


139854CJ


141161CJ

- Contact rating: 120VAC/28VDC @ 13A; 240VAC @ 10A
- Ambient temperature operating: -30˚C to +50˚C
- Size: 1.5"L x 1.4"W x 2.2"H • 3PDT • 11-pin

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139854CJ	BTA2-3C-24VDC	R10-14D10-24	24VDC	$8.69	$8.63	$8.39

BTA2 Series Socket

SALE

Part No.	Voltage	Current	Pins	Dimensions	1	10	50
141161CJ	250VAC	20 amps	11	3.0"L x 1.4"W x 1.0"H	$3.15	$2.84	$2.58

DC/AC and DC/DC Solid State Relays

- Screw terminal with hardware
- Photo isolation
- Metal mounting base
- Manufacturer may vary
- Zero crossing


176698CJ (Fig. 1)


153058CJ (Fig. 2)


192815CJ (Fig. 3)


162341CJ (Fig. 4)


176735CJ (Fig. 5)



187004CJ (Fig. 6)


164996CJ (Fig. 7)


127790CJ (Fig. 8)

Part No.	Product No.	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing 1	10	50	100
Solid State Relays DC/AC Type																
153058CJ	KSD203AC2	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	**$9.95**	**$8.95**	**$7.95**	**$7.25**
162341CJ	ESR51024-010	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	**15.95**	**14.39**	**12.95**	**11.65**
162368CJ	ESR51024-025	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	**21.95**	**19.79**	**17.79**	**16.05**
162405CJ	ESR51024-040	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	**22.99**	**20.69**	**18.69**	**16.79**
105081CJ	615-8500 ♣	Teledyne	5-10VDC	DC/AC	SPST	250VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	**15.99**	**14.39**	**12.99**	**11.69**
192815CJ	KSD240AC8	COSMO	4-32VDC	DC/AC	SPST	250VDC	40A	4	3	Screw Terminal	—	1.8 x 0.6 x 2.3	**17.15**	**15.58**	**14.17**	**13.75**
175214CJ	KB20C02A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 1.5	**5.95**	**5.69**	**5.32**	**5.05**
127790CJ	D2W202F	Crydom	3-32VDC	DC/AC	SPST	280VAC	2A	4	8	Solder Lead	UL/CSA	1.7 x 0.4 x 1.3	**7.19**	**6.75**	**6.73**	**6.71**
176698CJ	KB20C06A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	**9.99**	**8.99**	**7.99**	**7.19**
176719CJ	KD20C40AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	**19.99**	**17.99**	**16.19**	**14.59**
176735CJ	KD20C75AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	**39.95**	**35.99**	**32.39**	**29.15**
204441CJ	TD2420Q	Crydom	4-15VDC	DC/AC	4PST	280VAC	20A	13	–	Solder Lead	UL/CSA	2.3 x 1.8 x 0.9	**56.95**	**51.25**	**43.59**	**32.69**
186992CJ	G3NA-210B-DC5-24	Omron	5-24VDC	DC/AC	—	240VAC	10A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	**14.29**	**13.55**	**12.89**	**12.25**
187004CJ	G3NA-220B-DC5-24	Omron	5-24VDC	DC/AC	—	240VAC	20A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	**19.95**	**17.95**	**15.95**	**13.95**
164988CJ	S101S02	Sharp	1.2VDC@20mA	DC/AC	—	125VAC	1.5A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	**3.95**	**3.49**	**2.95**	**2.25**
164996CJ	S202TA1	Sharp	1.2VDC@20mA	DC/AC	—	200VAC	2.0A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	**4.95**	**4.49**	**4.05**	**3.65**
Solid State Relay DC/DC Type																
172591CJ	KF0602D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	**$9.95**	**$8.95**	**$7.95**	**$6.95**
175222CJ	KF0604D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	1	Solder Lead	—	1.5 x 0.3 x 0.9	**11.95**	**11.25**	**10.25**	**9.22**
176647CJ	KG1005D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	**26.99**	**24.29**	**21.79**	**19.59**
176655CJ	KG1010D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	**29.99**	**26.99**	**24.29**	**21.89**

♣ Pull = Extra Savings

DIP Relays

• Logic control levels • Long life with reliable operation • Moisture resistant • Compatible with IC sockets • Compact design/construction • Excellent for PCB applications

CLARE FUJITSU AGE Aromat


106462CJ


99901CJ

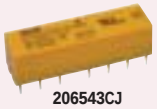

206543CJ

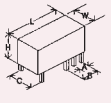
Fig. 1 

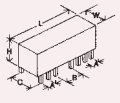
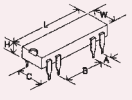
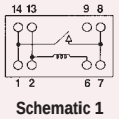
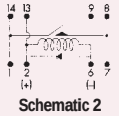
Fig. 2 

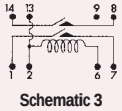
Fig. 3 



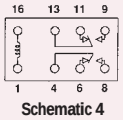
Schematic 1



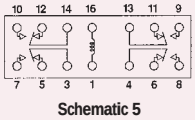
Schematic 2



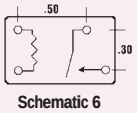
Schematic 3



Schematic 4



Schematic 5



Schematic 6

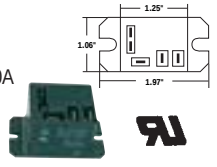
Part No.	Mfr. Cross Reference No.	Manufacturer	Contact Schem.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Fig.	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing 1	10	50	100
106462CJ	201A05	Excel Cell Elect.	1	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	**$2.15**	**$1.81**	**$1.52**	**$1.25**
138430CJ	2D1A05	Excel Cell Elect.	2	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	**2.29**	**1.95**	**1.65**	**1.34**
215896CJ	OJE-SS-109LMF	OEG	6	SBT-NO	9VDC	400	250VAC/30VDC	3A/3A	4	—	1	.71 x .39 x .57	.50 x .60 x .30	**2.29**	**1.95**	**1.69**	**1.39**
106471CJ	201A12	Excel Cell Elect.	1	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	**2.29**	**1.95**	**1.65**	**1.39**
138448CJ	2D1A1200	Excel Cell Elect.	2	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	**2.25**	**1.95**	**1.75**	**1.49**
138456CJ	202A05	Excel Cell Elect.	3	DPST-NO	5VDC	140	100VDC	0.5A	8	37161	3	.77 x .30 x .28	.10 x .40 x .30	**3.49**	**3.15**	**2.69**	**2.19**
173913CJ	AZ831-2C-5DSE	American Zettler	4	DPDT	5VDC	125	125VAC/100VDC	.5A/1.25A	8	37401	1	.79 x .38 x .44	.18 x .28 x .29	**2.35**	**2.15**	**1.69**	**1.25**
139977CJ	RSB5S	Shin Mei	4	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37372	1	.79 x .39 x .37	.20 x .40 x .30	**2.49**	**2.25**	**1.95**	**1.75**
99338CJ	LM12C00	Clare	4	DPDT	6VDC	71	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	**2.49**	**2.25**	**1.79**	**1.35**
99311CJ	DS2Y-S-DC12V*	Aromat (NAIS)	4	DPDT	12VDC	720	110VAC/30VDC	.3A/1A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	**2.49**	**2.31**	**2.05**	**1.75**
99901CJ	LX200D00	Clare	4	DPDT	12VDC	720	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .30	.20 x .40 x .30	**6.95**	**6.25**	**5.63**	**4.49**
99320CJ	LM12E00*	NEC	4	DPDT	24VDC	1110	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	**2.95**	**2.69**	**2.39**	**2.15**
136549CJ	DS4E-M-DC5V*	Aromat	5	4PDT	5VDC	62.5	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	**5.49**	**4.95**	**4.45**	**4.05**
176313CJ	DS4E-M-DC12V	Aromat	5	4PDT	12VDC	360	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	**6.95**	**6.29**	**5.29**	**4.39**
206543CJ	DS4E-S-DC5V-1C-N137	Aromat	5	4PDT	5VDC	125	250VAC/220VDC	2A	14	112299	2	1.40 x .40 x .42	.20 x .30 x .30	**3.79**	**3.45**	**3.15**	**2.85**

*Manufacturer may vary

T9A Series Relay

Low Cost PC Board or Panel Mount Only

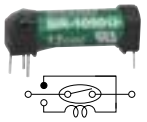
- Contact form: SPDT • Contact current: 20A/10A
- Coil voltage: 12VDC • 5-pin
- Contact volt.: 240VAC/28VDC • Coil: 155Ω
- Terminal type: 0.1" disconnect (2); 0.25" disconnect (3)



Part No.	Cross Ref. No.	P & B Cross Ref.	Dimensions (LxWxH)	1	10	50	100
137357CJ	953-IC-12DM	T9AS5D52-12	2.0" x 1.6" x 1.8" ..	**$2.55**	**$2.45**	**$2.19**	**$1.75**

SALE

Reed Type Relay



- Manufacturer: Bestar • Contact form: SPST-NO
- Coil voltage: 12VDC • Coil: 1050Ω
- Contact voltage: 120VAC/60VDC • Contact current: 0.1A
- Dielectric strength: 1500VDC (between contact and coil)
- 4-pin • Operating temperature: -30°C to +60°C • Terminal type: PCB solder

Part No.	Mfr. Cross Ref. No.	Dimensions	1	10	50	100
111448CJ	RC108T	1.0"L x .37"W x .38"H	**$.98**	**$.89**	**$.81**	**$.74**

Color Code Legend: New Sale Lower$ QtySave

1.2" (30mm) PCB Mountable Speaker

- Round frame design
- Mylar diaphragm
- Output SPL: 82 dB
- Pin spacing: 15mm
- Nominal input: 0.15W; max. input: 0.2W
- Ideal for PC board mounting
- Impedance: 8Ω
- Frequency range: 700 – 5000Hz



Part No.	Mfr. Cross Ref. No.	Description	Dimensions	1	10	100
135722CJ	PCM415	Solder leads	1.2"Dia. x 0.5"D	$2.15	$1.79	$1.59

Speaker Terminals

Make a solid connection with these push-release speaker terminals. Color-coded red / black connections for positive and negative side of speakers, screwmount plates for easy installation.

- Requires 1.92" round cut-out for recessed mounting



Part No.	Description	Size	Price
318641CJ	Round speaker terminals	2.95" diameter	$.43

Round Ferrite Speakers

- **320135CJ**: with 2" lead wires
- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

Quantity SAVE

For speaker wire, see page 94

Part Number	Mfr. Cross Ref. No.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
320362CJ	TRF-050F	2.0 x 0.7	0.25	0.5	8	86	320 – 4000	1.3 x 0.4	$1.95	$1.51	$1.33
135589CJ	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	1.59	1.33	1.09
320135CJ	C35128A	2.0 x 0.7	0.2	0.4	8	—	—	1.3 x 0.4	1.59	1.35	1.01
308267CJ	GA0501M	2.0 x 0.8	0.25	0.5	8	85	500 – 7800	0.9 x 0.4	1.99	1.79	1.65
10840CJ	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.59	1.43	1.07
177130CJ	57RF07	2.2 x 0.8	0.5	0.9	45	88	500 – 8000	1.6 x 0.5	.54	.49	.43
320354CJ	TR-066F	2.6 x 0.9	0.25	0.5	8	85	440 – 3500	1.3 x 0.4	1.45	1.24	1.14



135589CJ Side



135589CJ Back

Square Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

Part Number	Mfr. Cross Ref. No.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
135693CJ	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	$1.59	$1.45	$1.29
249463CJ	66SF25	2.6 x 0.8	—	0.5	25	10	320 – 4000	1.3 x 0.5	2.49	2.09	1.59
31958CJ	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.25	1.99	1.79
99995CJ	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	2.49	2.25	1.99



99995CJ Side



99995CJ Back

Flat Element, Square Piezoelectric Speakers

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

Part Number	Mfr. Cross Ref. No.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
34024CJ	AZ30S	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	$1.69	$1.52	$1.35
76030CJ	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.95	1.75	1.49



34024CJ Side



34024CJ Back

Alnico Speakers

- For computer case use
- Pre-tinned solder lugs
- Paper diaphragm
- Large magnet
- Wide frequency response
- Impedance: 8Ω

Part Number	Mfr. Cross Ref. No.	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
88410CJ	A0200	1	2.0 x 0.8	0.2	0.4	87	430 – 4500	0.5 x 0.4	$1.49	$1.29	$1.19
135765CJ	RA2425	1	2.2 x 0.8	0.25	0.5	87	400 – 4000	0.5 x 0.4	1.59	1.35	.99
111587CJ	B0102	2	1.7 x 0.6	0.1	0.3	83	500 – 5500	0.5 x 0.4	2.09	1.69	1.39
135811CJ	A1527C02	3	1.6 x 2.8 x 1.2	2.0	5.0	82	450 – 20000	0.5 x 0.5	2.95	2.49	2.25

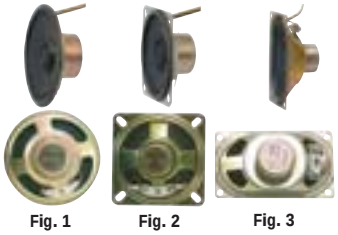


Fig. 1 Fig. 2 Fig. 3

Micro Speakers

Quantity SAVE

Part Number	Mfr. Cross Ref. No.	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
355514CJ	GC0201M	1	0.79 x 0.17	0.1	0.2	78	500 – 20000	0.26 x 0.06	$1.39	$1.22	$1.18
307871CJ	GC0401M	1	1.57 x 0.67	0.2	0.3	80	600 – 8000	0.71 x 0.43	2.89	2.46	1.84
355522CJ	GF0271M	1	1.06 x 0.30	0.1	0.2	82	500 – 20000	0.49 x 0.15	2.29	2.04	1.86
307854CJ	GC0251KP*	2	1.0L x 0.55W	1.0	1.5	80	750 – 3500	0.43 x 0.08	1.85	1.57	1.18

*Rectangular micro speaker



Fig. 1 Fig. 2

Microphone Cartridges

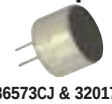
Omni-directional Electret Condenser Microphone Cartridges

Applications:

- Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors
- Modems for computers
- Used for recording, testing, and monitoring



160979CJ



136573CJ & 320178CJ



320004CJ



196488CJ



140986CJ

Part No.	Type	Sensitivity	Impedance	Frequency (Hz)	Max. Op. Volt. (VDC)	Stand Op. Volt. (VDC)	Current (Max.)	Sensitivity Reduction	S/N Ratio	Terminals	Size (H x Dia.)	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
160979CJ	WM-64PKT	-44 ±3dB	>2.2kΩ	20-16,000	10V	2.0V	0.5mA	-3dB @ 1.5V	>58dB	PC pin leads	.10" x .24"	$.72	$.65	$.52	$.35
136573CJ	WM-60PC	-54 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.30" x .38"	.53	.48	.43	.39
320004CJ	YILI	-38 ±3dB	>2.2kΩ	20-16,000	10V	4.5V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.23" x .38"	.64	.476	.259	.194
320178CJ	EM-99	-64 ±2dB	>2.2KΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.27" x .39"	1.49	1.25	.99	.81
196488CJ	JL-061C	-58 0dB	2kΩ	20-20,000	10V	2.0V	0.04mA	-3dB @ 1.5V	>55dB	Solder pad	.10" x .24"	1.29	.99	.89	.79
140986CJ	CRM919	-64 ±3dB	1kΩ ±30%	20-10,000	12V	3.0V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.90" x .39"	1.49	1.14	1.05	.89

Sonic Transducers and Buzzers

Quantity SAVE

A Jameco EXCLUSIVE

Magnetic Transducers

Part Number	Manufacture Cross Ref. No.	Fig.	Operating Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100	1000
207917CJ	DB105GFPN	1	1.5/30*	1 – 2	2048	75	.22"H x .47"Dia.	$1.49	$1.34	$1.14	$.85
138721CJ	DB111A-PN	2	1.5/10*	1 – 2	2048	80	.32"H x .46"Dia.	1.49	1.34	1.14	.85
335636CJ	PB-12N23P-05	3	5/50*	4.5 – 5.5	2300	85	10mm H x 12mm Dia	2.75	2.65	2.53	2.33
335644CJ	PB-12N23P-12	3	12/50*	9 - 15	2300	85	10mm H x 12mm Dia	2.69	2.59	2.50	2.18
138739CJ	DBX05-PN	2	5/40*	3 – 8	2400	85	.35"H x .46"Dia.	1.49	1.35	1.19	.99
106500CJ	SBT-1205	2	5/40*	3 – 8	2400	85	.40"H x .48"Dia.	1.49	1.35	1.25	1.09
207950CJ	UDX05CPN	3	5/100*	4 – 8	3100	85	.22"H x .35"Dia.	1.35	.99	.92	.83

*Applied voltage: 1/2 duty, square wave

Magnetic Buzzers

207984CJ	TDB01	4	1.5/30	1.25 – 2	2300	75	.47"H x .38"Dia.	$2.49	$2.29	$1.99	$1.79
76064CJ	TDB05-PN	4	5/30	4 – 7	2300	85	.35"H x .46"Dia.	2.99	2.79	2.69	2.59
207976CJ	TDB12	4	12/30	8 – 15	2300	85	.47"H x .38"Dia.	2.49	2.39	2.29	2.19

Piezo Buzzers

336276CJ	PT-1250W	6	3/1.5	2 – 5	1250	85	13mm H x 30mm Dia.	$1.55	$1.49	$1.37	$1.24
337210CJ	SC628D	7	6–28/5–18	6 – 28	1900	75	1.28"H x 1.69"Dia.	10.45	9.72	9.09	8.54
336305CJ	PT-2020P	8	5/1.5	5 – 30	2000	80	22mm W x 7.2mm D x 26.6mm H	1.29	1.25	1.19	1.07
336022CJ	PK-27N26W	5	12/15	3 – 28	2500	90	10mm H x 30mm Dia.	3.49	3.39	3.24	2.99
335505CJ	MAS800	10	12/50	9 – 12	2800	103	15.2mm H x 26mm Dia.	4.95	4.62	4.19	3.84
335530CJ	MAS806	10	12/50	5 – 14	2800	103	15.2mm H x 26mm Dia.	5.85	5.55	5.44	5.05
336663CJ	SC105	7	1–5/3–16	1 – 5	2900	75	1.28"H x 1.69"Dia	10.95	10.04	9.01	8.57
337535CJ	SNP428	11	4–28/3–16	4 – 28	2900	76	.85"H x 1.64"Dia	9.35	8.63	8.00	7.48
336639CJ	SBM616PU	12	6–16/3–12	6 – 16	2900	78	.62"H x 1.69"Dia	14.99	14.39	13.69	12.83
336954CJ	SC616CP	7	6–16/6–16	6 – 16	2900	78	1.84"H x 1.69"Dia	21.49	19.69	17.67	16.82
123537CJ	11D3240	13*	24/20	4 – 28	2900	80	1.4"H x 1.7"Dia.	4.19	3.79	3.65	3.49
336786CJ	SC110J	7	30–120/7–19	30 – 120	2900	80	2.41"H x 1.69"Dia	29.29	26.83	24.09	22.92
337383CJ	SC628P	7	6–28/4–16	6 – 28	2900	80	1.84"H x 1.69"Dia	15.69	14.31	13.17	12.23
337359CJ	SC628N	7	6–28/4–16	6 – 28	2900	90	1.28"H x 1.69"Dia	11.99	10.99	9.86	9.39
32601CJ	11S3240	13	24/15	1 – 28	2900	95	1.4"H x 1.7"Dia	4.95	4.45	4.29	4.09
336807CJ	SC110N	7C	30–120/6–24	30 – 120	2900	95	1.84"H x 1.69"Dia	26.15	25.37	23.99	22.63
336815CJ	SC110NJ	7S	30–120/6–24	30 – 120	2900	95	1.84"H x 1.69"Dia	26.45	25.69	24.33	22.92
336989CJ	SC616N	7C	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	11.69	10.66	9.81	9.10
336997CJ	SC616NJ	7S	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	17.69	16.21	14.56	13.85
337017CJ	SC616NP	7F	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	17.69	16.21	14.56	13.85
76021CJ	7S3240-LA	14	24/20	1.5 – 28	3200	95	1.0"H x 1.1"Dia	4.99	4.69	4.49	4.29
335556CJ	MSR320	9	3–20/3–16	3 – 20	3400	80	.39"H x .91"Dia	2.55	2.38	2.16	1.98
335695CJ	PF-20A35EW	14F	12/10	3 – 28	3500	95	25mmH x 28mm Dia	5.09	4.89	4.77	4.59
335919CJ	PK-20A35EW	14C	12/10	3 – 24	3500	95	25mmH x 28mm Dia	2.79	2.28	2.19	1.99
207992CJ	SL15R3120LA	15	12/250	6 – 16	3500	105	2.3"L x 1.8"W x 1.6"H	6.95	6.29	5.99	5.75
336313CJ	PT-2038FW	5	12/8	3 – 28	3800	85	4.5mm H x 24mm Dia.	1.15	1.09	1.05	.95
335927CJ	PK-20A38P	3	12/15	3 – 24	3800	95	18mm H x 23mm Dia.	3.55	3.39	3.26	2.99
335564CJ	MSR516N	3	5–16/3–14	5 – 16	3850	86	.39"H x .91"Dia.	3.99	3.79	3.43	3.15
138712CJ	32S4120-PN	4	12/7	3 – 16	4000	80	.30"H x .54"Dia.	2.49	2.25	2.09	1.56
196357CJ	AL-175	4	12/5.8	3 – 16	4000	86	.30"H x .54"Dia.	2.69	2.45	2.29	1.71
335855CJ	PK-12N40P	3	12/10	3 – 15	4100	83	8mm H x 14mm Dia.	3.29	3.07	3.05	2.69

* Dual tone C = Continuous tone S = Slow pulse F = Fast pulse

Mechanical/Electromechanical Buzzers

24871CJ	63S109LA	16	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	$2.49	$2.19	$1.99	$1.79
140695CJ	63S1120-LA	16	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	1.99	1.79	1.69	1.59
105822CJ	CLB27	17	9/220	—	500	80	1.3"H x 2.0"Dia	1.39	1.29	1.25	1.19

Piezo Sirens

336188CJ	PS-520	15	12/200	5 – 15	3000	105	40mm W x 57.5mm D x 44.5mmH	$8.99	$8.75	$8.05	$7.34
207888CJ	18R3120	18	12/120	9 – 15	1500-3100	105	3.4"L x 2.2"W x 1.3"H	5.99	5.79	5.49	5.29
336225CJ	PS-562	19	12/40	5 – 15	2500/3500	100	16mm H x 42mm Dia	5.05	4.92	4.53	4.13

Surface Mount Electromechanical Buzzers

335388CJ	AST500	21	1.5/50	1.2 – 3	2400	85	12.8mm Sq. x 10mm H	$2.95	$2.85	$2.72	$2.48
335417CJ	AST605	21	5/40	4 – 8	2400	87	12.6mm Sq. x 7mm H	2.29	2.28	2.27	2.16
335345CJ	ASI301	21	5/30	4 – 7	2400	90	12.6mm Sq. x 10mm H	2.99	2.78	2.59	2.24
335353CJ	ASI401	21	12/30	8 – 15	2400	90	12.6mm Sq. x 10mm H	1.79	1.75	1.63	1.49


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20


Fig. 21

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Electromech

Spacers

NEW

Aluminum Round Spacers



- 3/16" OD • #4 ID (0.115")
- Iridite clear finish

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Length	1	10	100	1000
392850CJ	1107-4-A-7	1/8"	✳	$.177	$.169	$.159
392868CJ	1108-4-A-7	3/16"	✳	.195	.186	.176
392876CJ	1109-4-A-7	1/4"	.20	.194	.19	.185
392884CJ	1110-4-A-7	5/16"	.26	.214	.203	.193
392892CJ	1111-4-A-7	3/8"	.26	.214	.203	.193
392905CJ	1112-4-A-7	7/16"	.34	.288	.274	.26
392913CJ	1113-4-A-7	1/2"	.29	.233	.221	.21
392921CJ	1115-4-A-7	5/8"	.30	.242	.23	.218
392930CJ	1116-4-A-7	11/16"	.44	.37	.35	.34
392948CJ	1117-4-A-7	3/4"	.33	.279	.265	.252

Brass Round Spacers

- 3/16" OD • #4 ID (0.115") • Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
392956CJ	1107-4-B-7	1/8"	$.79	$.67	$.64	$.60
392964CJ	1108-4-B-7	3/16"	.85	.68	.64	.61
392972CJ	1109-4-B-7	1/4"	.86	.74	.70	.67
392981CJ	1110-4-B-7	5/16"	.87	.74	.71	.67
392999CJ	1111-4-B-7	3/8"	.89	.75	.72	.68
393001CJ	1112-4-B-7	7/16"	.91	.77	.73	.70
393019CJ	1113-4-B-7	1/2"	.93	.78	.74	.70
393027CJ	1115-4-B-7	5/8"	1.12	.95	.90	.86
393035CJ	1116-4-B-7	11/16"	1.14	.96	.91	.87
393043CJ	1117-4-B-7	3/4"	1.16	.98	.93	.88

Aluminum Round Spacers



- 1/4" OD • #4 ID (0.115")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393051CJ	1122-4-A-7	1/8"	$.24	$.205	$.194	$.185
393060CJ	1123-4-A-7	3/16"	.24	.205	.194	.185
393078CJ	1124-4-A-7	1/4"	.24	.205	.194	.185
393086CJ	1125-4-A-7	5/16"	.24	.205	.194	.185
393094CJ	1126-4-A-7	3/8"	.30	.242	.23	.218
393107CJ	1127-4-A-7	7/16"	.39	.326	.309	.294
393115CJ	1128-4-A-7	1/2"	.30	.242	.23	.218
393123CJ	1133-4-A-7	13/16"	.39	.326	.309	.294
393131CJ	1134-4-A-7	7/8"	.39	.326	.309	.294
393140CJ	1136-4-A-7	1"	.39	.326	.309	.294

Brass Round Spacers

- 1/4" OD • #4 ID (0.115") • Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393158CJ	1122-4-B-12	1/8"	$.24	$.205	$.194	$.185
393166CJ	1123-4-B-12	3/16"	.22	.186	.177	.168
393174CJ	1124-2-B-12	1/4"	.26	.214	.203	.193
393182CJ	1125-4-B-12	5/16"	.31	.26	.247	.23
393191CJ	1126-4-B-12	3/8"	.32	.26	.247	.235
393203CJ	1127-4-B-12	7/16"	.77	.65	.62	.59
393211CJ	1128-4-B-12	1/2"	.34	.288	.274	.26
393220CJ	1133-4-B-12	13/16"	.97	.82	.78	.74
393238CJ	1134-4-B-12	7/8"	.66	.56	.53	.504
393246CJ	1136-4-B-12	1"	.74	.63	.60	.57

Aluminum Round Spacers



- 1/4" OD • #6 ID (0.140")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393254CJ	1122-6-A-7	1/8"	$.24	$.205	$.194	$.185
393262CJ	1123-6-A-7	3/16"	.24	.205	.194	.185
393271CJ	1124-6-A-7	1/4"	.24	.205	.194	.185
393289CJ	1125-6-A-7	5/16"	.24	.205	.194	.185
393297CJ	1126-6-A-7	3/8"	.30	.242	.23	.218
393300CJ	1127-6-A-7	7/16"	.39	.326	.309	.294
393318CJ	1128-6-A-7	1/2"	.30	.242	.23	.218
393326CJ	1133-6-A-7	13/16"	.39	.326	.309	.294
393334CJ	1134-6-A-7	7/8"	.39	.326	.309	.294

Brass Round Spacers

- 1/4" OD • #6 ID (0.140")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393351CJ	1122-6-B-12	1/8"	$.24	$.205	$.194	$.185
393369CJ	1123-6-B-12	3/16"	.22	.186	.177	.168
393377CJ	1124-6-B-12	1/4"	.26	.214	.203	.193
393385CJ	1125-6-B-12	5/16"	.31	.26	.247	.235
393393CJ	1126-6-B-12	3/8"	.32	.26	.247	.235
393406CJ	1127-6-B-12	7/16"	.77	.65	.62	.59
393414CJ	1128-6-B-12	1/2"	.34	.288	.274	.26
393422CJ	1133-6-B-12	13/16"	.97	.818	.78	.74
393431CJ	1134-6-B-12	7/8"	.66	.56	.53	.504
393449CJ	1135-6-B-12	1"	.74	.63	.60	.57

Standoffs, Male-Female

Male-Female Hex Aluminum Standoffs



- 3/16" Hex • 4-40 thread
- Iridite clear finish
- Thread length : 1/4"

Part No.	Product No.	Length	1	10	100	1000
393457CJ	4501-440-A-7	1/4"	$.35	$.298	$.283	$.269
393465CJ	4502-440-A-7	3/8"	.35	.298	.283	.269
393473CJ	4505-440-A-7	1/2"	.35	.298	.283	.269
393490CJ	4509-440-A-7	3/4"	.39	.326	.309	.294
393502CJ	4513-440-A-7	1"	.39	.326	.309	.294

Male-Female Hex Aluminum Standoffs

- 3/16" Hex • 6-32 thread
- Iridite clear finish
- Thread length : 3/8"

Part No.	Product No.	Length	1	10	100	1000
393537CJ	4501-632-A-7	1/4"	$.35	$.298	$.283	$.269
393545CJ	4503-632-A-7	3/8"	.35	.298	.283	.269
393553CJ	4505-632-A-7	1/2"	.35	.298	.283	.269
393570CJ	4509-632-A-7	3/4"	.39	.326	.309	.294
393588CJ	4513-632-A-7	1"	.39	.326	.309	.294

Male-Female Hex Brass Standoffs

- 1/4" Hex • Zinc clear chromate finish
- 4-40 thread • Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393836CJ	4530-440-B-12	1/4"	$.73	$.61	$.58	$.55
393844CJ	4532-440-B-12	3/8"	.75	.63	.60	.57
393852CJ	4534-440-B-12	1/2"	.81	.69	.65	.62
393861CJ	4536-440-B-12	5/8"	.83	.70	.66	.63
393879CJ	4538-440-B-12	3/4"	.78	.66	.63	.60
393887CJ	4542-440-B-12	1"	.78	.66	.63	.60
393895CJ	4546-440-B-12	1-1/4"	.85	.72	.68	.65
393908CJ	4550-440-B-12	1-1/2"	1.24	1.05	1.00	.95

Male-Female Hex Brass Standoffs

- 1/4" Hex • Zinc clear chromate finish
- 6-32 thread • Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393916CJ	4530-632-B-12	1/4"	$.73	$.61	$.58	$.55
393924CJ	4532-632-B-12	3/8"	.75	.63	.60	.57
393932CJ	4534-632-B-12	1/2"	.81	.69	.65	.62
393941CJ	4538-632-B-12	3/4"	.78	.66	.63	.60
393959CJ	4542-632-B-12	1"	.78	.66	.63	.60
393967CJ	4546-632-B-12	1-1/4"	.85	.72	.68	.65

Standoffs, Female-Female

Female-Female Hex Brass Standoffs



- 1/4" Hex • 4-40 thread
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393684CJ	2100-440-B-12	1/4"	$.24	$.205	$.194	$.185
393692CJ	2102-440-B-12	3/8"	.37	.307	.292	.277
393705CJ	2103-440-B-12	7/16"	.71	.60	.57	.55
393713CJ	2104-440-B-12	1/2"	.44	.372	.353	.336
393721CJ	2104-440-B-12	5/8"	.61	.512	.486	.462
393730CJ	2108-440-B-12	3/4"	.69	.58	.55	.52
393748CJ	2112-440-B-12	1"	.81	.69	.65	.62

Female-Female Hex Brass Standoffs

- 1/4" Hex • 6-32 thread • Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393756CJ	2100-632-B-12	1/4"	$.24	$.205	$.194	$.185
393764CJ	2102-632-B-12	3/8"	.37	.307	.292	.277
393772CJ	2104-632-B-12	1/2"	.44	.372	.353	.336
393781CJ	2106-632-B-12	5/8"	.61	.512	.486	.462
393799CJ	2108-632-B-12	3/4"	.69	.58	.548	.52
393801CJ	2112-632-B-12	1"	.81	.69	.65	.62
393810CJ	2120-632-B-12	1-1/2"	.77	.65	.62	.59

Thumbscrews

Washer-Face Aluminum



Part Number	Product Number	Thread	Thread Length	Length	Pricing 1	10	100	1000
393975CJ	7100-A	4-40	5/16"	5/8"	$1.55	$1.47	$1.40	$1.33
393983CJ	7101-A	4-40	3/8"	11/16"	1.55	1.47	1.40	1.33
393991CJ	7105-A	4-40	1/2"	13/16"	1.55	1.47	1.40	1.33
394003CJ	7106-A	8-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394011CJ	7107-A	8-32	1/2"	13/16"	1.75	1.66	1.58	1.50
394020CJ	7109-A	10-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394038CJ	7111-A	10-32	5/8"	15/16"	1.75	1.66	1.58	1.50
394046CJ	7112-A	1/4-20	3/8"	3/4"	1.79	1.70	1.62	1.54

Plain Aluminum



Part Number	Product Number	Thread	Thread Length	Length	Pricing 1	10	100	1000
394054CJ	7120-A	4-40	5/16"	1/2"	$1.55	$1.47	$1.40	$1.33
394062CJ	7125-A	6-32	3/8"	9/16"	1.49	1.42	1.35	1.28
394071CJ	7128-A	8-32	3/8"	9/16"	1.65	1.56	1.49	1.41
394089CJ	7135-A	10-32	1/2"	11/16"	1.69	1.60	1.52	1.44
394097CJ	7138-A	1/4-20	1/2"	3/4"	1.79	1.71	1.63	1.55
394100CJ	7140-A	1/4-20	5/8"	7/8"	1.85	1.76	1.67	1.59

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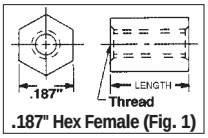
† Finish: Iridite (clear)[1] per MIL-C-5541-D; bright tin plate[2]; stainless steel[3]



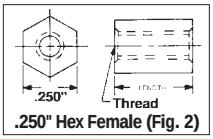
Hex .187"/.250" Female



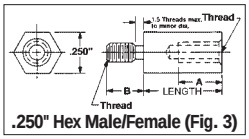
Hex .250" Male/Female



.187" Hex Female (Fig. 1)



.250" Hex Female (Fig. 2)



.250" Hex Male/Female (Fig. 3)

.187" Hex Female

4-40 Thread (Fig. 1) .187" Hex

10 piece minimum

Part Number	Metal†	Hex Length	Pricing 10	100	1000
175636CJ	Brass[2]	.187"	$.21	$.15	$.10
102795CJ	Brass[2]	.240"	.21	.15	.10
133612CJ	Alum[1]	.250"	.20	.12	.09
133639CJ	Alum[1]	.500"	.22	.20	.11
139791CJ	Alum[1]	.562"	.18	.15	.13
133647CJ	Alum[1]	.625"	.14	.13	.115
133655CJ	Alum[1]	.750"	.43	.39	.23
139184CJ	Alum[1]	1.000"	.43	.39	.32

.250" Hex Female

4-40 Thread (Fig. 2) .250" Hex

✳ Prepackaged: order in increments of 10, 100 or 1000

Part Number	Metal†	Hex Length	Pricing 1	10	100	1000
139192CJ	Alum[1]	.250"	✳	$.16	$.12	$.08
77500CJ	Alum[1]	.375"	✳	.20	.15	.09
134762CJ	Alum[1]	.437"	✳	.21	.18	.15
108370CJ	Alum[1]	.500"	✳	.25	.17	.10
77518CJ	Alum[1]	.625"	.42	.35	.19	.14
133604CJ	Alum[1]	.750"	.39	.35	.19	.14
139205CJ	Alum[1]	1.000"	.49	.35	.25	.15

.250" Hex Female

6-32 Thread (Fig. 2) .250" Hex

✳ Prepackaged: order in increments of 10, 100 or 1000

Part Number	Metal†	Hex Length	Pricing 1	10	100	1000
77534CJ	Alum[1]	.250"	✳	$.22	$.14	$.08
133591CJ	Alum[1]	.375"	.32	.29	.13	.09
77542CJ	Alum[1]	.500"	✳	.22	.17	.10
77551CJ	Alum[1]	.625"	✳	.25	.19	.14
77569CJ	Alum[1]	.750"	.31	.28	.21	.13
77577CJ	Alum[1]	1.000"	.59	.35	.30	.16
143407CJ	Alum[1]	1.500"	.69	.61	.49	.42
143440CJ	Alum[1]	1.750"	.79	.59	.48	.41

.250" Hex Male/Female

4-40 Thread (Fig. 3) (Thread A: .250"; B: .187")

✳ Prepackaged: order in increments of 10, 100 or 1000

Part Number	Metal†	Hex Length	Pricing 1	10	100	1000
77585CJ	Alum[1]	.250"	$.32	$.29	$.21	$.16
77593CJ	Alum[1]	.375"	.43	.34	.19	.12
111755CJ	Alum[1]	.500"	.49	.44	.36	.20
175628CJ	Steel[3]	.580"	✳	.19	.14	.12
139213CJ	Alum[1]	.625"	.43	.39	.35	.31
139221CJ	Alum[1]	.750"	.43	.39	.35	.21
139230CJ	Alum[1]	1.00"	.49	.44	.36	.30
128565CJ	Alum[1]	1.25"	.59	.53	.44	.38
166545CJ	Alum[1]	1.50"	.75	.65	.59	.49

.250" Hex Male/Female

6-32 Thread (Fig. 3) (Thread A: .375"; B: .250")

10 piece minimum

Part Number	Metal†	Hex Length	Pricing 10	100	1000
133541CJ	Alum[1]	.250"	$.39	$.35	$.21
133567CJ	Alum[1]	.375"	.39	.35	.22
77606CJ	Alum[1]	.500"	.32	.29	.23
77622CJ	Alum[1]	.750"	.39	.35	.28
77649CJ	Alum[1]	1.000"	.44	.40	.32
206623CJ	Steel[3]	1.250"	.40	.36	.32

RAF Instrumentation Handle

- 5/8" oval diameter
- 9/32" thick
- 10-32 internal thread size
- Color: nickel plate
- Base metal: brass



Quantity SAVE

Part No.	Size (L" x H")	1	10	100
216821CJ	3.0 x 1.3 .. ~~$2.95~~	$2.49	$2.12	$1.59

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages @ www.jameco.com.

SAE Hardware

- Zinc-plated steel



Prepackaged: order in increments of 100 or 1000

Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece minimum 100	1000
38172CJ	2-56	Std	.250	$.025	$.022
40951CJ	4-40	Std	.250	.019	.011
40969CJ	4-40	Std	.375	.017	.012
106809CJ	4-40	Std	.500	.018	.013
106542CJ	6-32	Std	.250	.018	.013
42446CJ	6-32	Std	.375	.019	.014
42438CJ	6-32	Std	.500	.019	.015
106796CJ	8-32	Std	.500	.04	.025

Hex Nuts

Part Number	Screw Size	Thread	Length (inches)	100 piece minimum 100	1000
38164CJ	2-56	Std	.183	$.022	$.014
211123CJ	4-40	Sm	.184	.023	.011
40942CJ	4-40	Std	.243	.025	.013
42420CJ	6-32	Std	.306	.023	.014
51553CJ	8-32	Std	.334	.02	.014

Flat Washers

Part Number	Screw Size	Dia. (inches)	100 piece minimum 100	1000
211131CJ	4	.237	$.019	$.014
106825CJ	4	.281	.022	.019
106833CJ	6	.373	.022	.019
106841CJ	8	.377	.04	.025

Internal Tooth Lock Washers

Part Number	Screw Size	Dia. (inches)	100	1000
106850CJ	4	.258	$.018	$.015
106868CJ	6	.277	.018	.015
106876CJ	8	.323	.016	.015

Split Lock Washers

Part Number	Screw Size	Dia. (inches)	100	1000
106788CJ	2	.161	$.024	$.016
211140CJ	4	.201	.02	.015
40977CJ	4	.242	.02	.015
42462CJ	6	.240	.011	.009
51609CJ	8	.279	.012	.006

200 Piece Spring Assortment



This kit contains approximately 200 springs with 20 different types, compression and tension ratings in a clear plastic case. They range from smallest which is about 10mm long to the longest 70mm long. Spring sizes listed on lid of plastic case.

Part No.	Description	1	10
314413CJ	200-piece spring assortment	$7.29	$6.89

3M Adhesive Rubber Feet

These are perfect for project boxes, providing a non-slip, non-scratch surface.

119618CJ 

126981CJ 



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Part No.	Product No.	Type	Fig.	Pack	(W" x H")	1	10	50
119618CJ	SJ5012BLK4	Black cylindrical	1	4	.50 x .14	$.39	$.38	$.36
142658CJ	SJ5012BLKC	Black cylindrical	1	100	.50 x .14	5.95	5.35	4.86
142771CJ	SJ5008BLKC	Black square	2	100	.50 x .12	6.69	4.76	3.40
142682CJ	SJ5018BLKC	Black square	3	100	.50 x .23	9.95	8.25	6.58
126981CJ	SJ5023BLK4	Black square	4	4	.81 x .30	1.95	1.75	1.59
142666CJ	SJ5023BLKC	Black square	4	100	.81 x .30	14.25	9.10	8.69

PCB Standoff Mounting Hardware

- Snap "on"
- Nylon
- 291987CJ: with thread
- 10 piece minimum



129251CJ



28337CJ



148056CJ



156831CJ

Part No.	Mfr. Cross Ref. No.	Dimensions	Holes	10	100	1000
28337CJ	PCST	1.2"L x 0.6"W	0.2"	$.12	$.07	$.04
129251CJ	PCST2	0.9"L x 0.4"Dia.	0.2"/0.3"	.18	.11	.075
148056CJ	PCST3	0.8"L x 0.5"W	0.1"/0.2"	.08	.068	.051
156831CJ	KCS10	0.68"L x 0.32"Dia.	0.14"	.125	.093	.063
291961CJ	ACBS-6	0.75"L x 0.5"W	0.1"/0.2"	.135	.058	.033
291987CJ	CASE-45-50	0.85"L x 0.3"Dia.	0.2"	.14	.092	.059
292015CJ	SCB-6	0.7"L x 0.27"Dia.	0.1"/0.2"	.162	.138	.117

Color Instrumentation Knobs
(1/4" Shaft Diameters)

- JK-907 series: pressure fit type, top set screw; JK-905 series: side set screw
- CR-MS series for knurled shaft
- All photos on www.Jameco.com


264823CJ


265148CJ


265164CJ


265210CJ


265050CJ


265068CJ


265076CJ


265084CJ


265017CJ


265025CJ


265033CJ


265041CJ


265261CJ


265252CJ


265244CJ


265236CJ


265228CJ

Part No.	Product No.	Body Color	Pointer Color	Size (H" x Dia.")	1	10	100
264823CJ	CPBTAA191A1S6.4BK	Black/Black	White	.79 x .77	$.99	$.93	$.88
264786CJ	CPBTAA191A1S6.4RD	Black/Red	White	.79 x .77	.99	.93	.88
264794CJ	CPBTAA191A1S6.4YW	Black/Yellow	White	.79 x .77	.99	.93	.88
264807CJ	CPBTAA191A1S6.4BL	Black/Blue	White	.79 x .77	.99	.93	.88
264815CJ	CPBTAA191A1S6.4GN	Black/Green	White	.79 x .77	.99	.93	.88
264831CJ	CPBTAA191A1S6.4GY	Black/Grey	White	.79 x .77	.99	.93	.88
265156CJ	JK-907A-BL	Grey/Blue	Blue	.76 x 1.27	1.99	1.87	1.78
265130CJ	JK-907A-RD	Grey/Red	Red	.76 x 1.27	1.99	1.87	1.78
265148CJ	JK-907A-YW	Grey/Yellow	Yellow	.76 x 1.27	1.99	1.87	1.78
265181CJ	JK-907B-BL	Grey/Blue	Blue	.86 x .94	1.99	1.87	1.78
265172CJ	JK-907B-YW	Grey/Yellow	Yellow	.86 x .94	1.99	1.87	1.78
265164CJ	JK-907B-RD	Grey/Red	Red	.86 x .94	1.99	1.87	1.78
265199CJ	JK-907C-RD	Grey/Red	Red	.72 x .68	1.99	1.87	1.69
265201CJ	JK-907C-YW	Grey/Yellow	Yellow	.72 x .68	1.99	1.87	1.78
265210CJ	JK-907C-BL	Grey/Blue	Blue	.72 x .68	1.99	1.87	1.78
265050CJ	JK-905A	Black/Red	White	.58 x .57	.92	.73	.66
265068CJ	JK-905B	Black/Yellow	White	.58 x .57	.92	.73	.66
265076CJ	JK-905C	Black/Blue	White	.58 x .57	.92	.73	.66
265084CJ	JK-905D	Black/Green	White	.58 x .57	.92	.73	.66
265017CJ	JK-904A	Black/Red	White	.47 x .78	.99	.93	.88
265025CJ	JK-904B	Black/Yellow	White	.47 x .78	.99	.93	.88
265033CJ	JK-904C	Black/Blue	White	.47 x .78	.99	.93	.88
265041CJ	JK-904D	Black/Green	White	.47 x .78	.99	.93	.88
265261CJ	CR-MS-5C5-T18*	Grey	Grey	.68 x .51	.78	.67	.61
265252CJ	CR-MS-4C5-T18*	Grey	Green	.68 x .51	.78	.67	.61
265244CJ	CR-MS-3C5-T18*	Grey	Blue	.68 x .51	.78	.67	.61
265236CJ	CR-MS-2C5-T18*	Grey	Yellow	.68 x .51	.78	.67	.61
265228CJ	CR-MS-1C5-T18*	Grey	Red	.68 x .51	.78	.67	.61

* For use with 1/4" knurled shaft

Hardware and Spacer Assortment Kit

Includes 2300 pcs. (23 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted PH Screws

SAVE $36


130497CJ (Refill kit)

100 each Spacers	100 each Hex nuts	100 each Flat	100 each Int. tooth	100 each Split lock	100 each PH machine screws
—	2-56	—	—	#2	2-56 x 1/4, —
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/2, —

Part No.	Description	Wt. (lbs.)	1	10
108433CJ	2300 pcs. Hardware kit	7.5	$55.95	$50.36
130497CJ	Refill for 108433CJ (2300 pcs.)	2.7	39.95	35.95

Black Instrumentation Knobs
(1/4" Shaft Diameters)

- Set screw for secure attachment
- RN-112A/113A/114A: Numeric dial type


265092CJ


265105CJ


265113CJ


265121CJ


264997CJ


265009CJ


264882CJ


264891CJ


264911CJ


264920CJ


264946CJ


264954CJ


264989CJ


102787CJ


104176CJ


202286CJ


136240CJ


138392CJ

Part No.	Product No.	Body Color	Pointer Color	Size (H" x Dia.")	1	10	100
265092CJ	JK-906A	Black	White	.72 x 1.39	$1.09	$.87	$.80
265105CJ	JK-906B	Black	White	.79 x .95	1.02	.71	.65
265113CJ	JK-906C	Black	White	.64 x .82	.83	.62	.57
265121CJ	JK-906D	Black	White	.58 x .61	.68	.55	.54
264997CJ	JK-902A	Black	White	.69 x 1.31	.74	.57	.53
265009CJ	JK-902B	Black	White	.60 x .95	.69	.47	.44
264920CJ	JK-901A	Black/Alum	White	.79 x 1.77	1.34	1.16	1.05
264946CJ	JK-901B	Black/Alum	White	.64 x 1.29	.90	.71	.65
264954CJ	JK-901C	Black/Alum	White	.61 x 1.06	.75	.59	.54
264989CJ	JK-901D	Black/Alum	White	.47 x .78	.68	.53	.48
264882CJ	RN-112A	Black/Alum	Numeric	.90 x 1.46	.99	.93	.88
264891CJ	RN-113A	Black/Alum	Numeric	.70 x 1.15	.99	.93	.88
264911CJ	RN-114A	Black/Alum	Numeric	.58 x 1.46	.99	.93	.88
102787CJ	JK-903C	Black	White	.54 x 1.25	.64	.41	.39
104176CJ	JK-902C	Black	White	.49 x .75	.99	.85	.65
202286CJ	CP-Z1-M-S	Black/Alum	White	.60 x .80	.79	.69	.64
136240CJ	GKB-214	Black/Alum	White	.52 x .54	.65	.55	.49
138392CJ	41108-1	Black/Alum	White	.56 x .85	.79	.59	.54

Aluminum Instrumentation Knobs
(1/8" and 1/4" Shaft Diameters)

A Jameco EXCLUSIVE

Includes: Set screw for secure attachment

290124CJ: Coarse surface for sensitive control; 1/8" shaft diameter


290124CJ


162481CJ


162499CJ


138481CJ / 138501CJ / 138510CJ

Part No.	Mfr. Cross Ref. No.	Shaft Size	Body Color	Pointer Color	Size (H" x Dia.")	1	10	100
290124CJ	42008-1	1/8"	Silver	Silver	.500 x .625	$1.99	$1.79	$1.61
162481CJ	K5-1/4S	1/4"	Chrome	Silver	.500 x .560	1.19	1.09	.96
162499CJ	K5-1/4B	1/4"	Black	White	.500 x .560	1.55	1.39	1.07
138481CJ	KN031	1/4"	Aluminum	Black	.610 x .650	1.49	1.35	1.19
138501CJ	KN032	1/4"	Aluminum	Black	.870 x .750	1.95	1.71	1.55
138510CJ	KN033	1/4"	Aluminum	Black	1.18 x .870	2.49	2.24	1.95

24VDC Liquid Level Sensors

Combine the control box and sensor to activate a water valve. When sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

176250CJ (Empty)
- Diameter: 1.0"
- Overall Length: 3.9"
- Travel Distance: 2.0"


176250CJ

176268CJ (Full)
- Diameter: 1.1"
- Overall Length: 2.6"
- Travel Distance: .72"


176268CJ

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
176250CJ	Sensor empty type	$7.39	$6.70	$6.09
176268CJ	Sensor full type ✪	6.79	6.17	5.61

Fujikura -1.1 to 2.5 PSI Pressure Sensor



- Measurable pressure range: -1.1 to 2.5 PSI
- Maximum load pressure: twice rated pressure
- Operating voltage: 5V @ <10mA
- Maximum excitation voltage: 8V
- Pressure type: gauge pressure • Volt-level output
- Pressure media: non-corrosive gas
- On-chip amplification and temp. compensations
- Pre-calibration of offset voltage and span
- 1/8" diameter tubing is applicable
- Size: .55"L x .47"W x .20"H

SALE

Part No.	Product No.	1	10	100
196103CJ	XFPN-025-KPGRNW1	$24.95	$21.25	$15.95

0 to 1.45 PSI Pressure Sensor



- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- Maximum pressure (P_{MAX}): 75kPa (10.875 PSI)
- Operating volt. (typical): 3VDC @ 6mA
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls • 1/8" diameter tubing applicable
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)

Part No.	Product No.	1	10	100
218827CJ	MPX10GS	$8.99	$7.99	$7.19

Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Current consumption: 10mA max.
- Switching frequency: 1.5kHz
- Sensing target: inductive type – magnetic metal
- Sensing distance: ±10% (tin)
- Short circuit protected • LED status indicator
- Fast response • 6' long cable • Pre-tinned pigtail

155547CJ (17mm)




167020CJ (12mm)


248858CJ (12mm)


155571CJ (18mm)

Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x W" x H")	Mounting Hole (in.)	Pricing 1	10	25
155547CJ	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4 x 1.4 x 0.7	0.112	$9.95	$8.95	$7.95
167020CJ	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8"L x 0.46"Dia.	0.46	20.65	18.61	16.75
248858CJ	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8"L x 0.46"Dia.	0.46	19.99	17.99	15.99
155571CJ	TS18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.6"L x 0.70"Dia.	0.70	24.95	22.46	20.21

Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case


136653CJ

136653CJ: Transmit/Receive Set
- Capacitance: 2000pF ±30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Lead length/spacing: 0.39"
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)
- Case size: 0.47"H x 0.62" Dia.


139491CJ

139491CJ: Transmit/Receive Set
- Capacitance: 2000pF ±20%
- Lead length/spacing: 0.28"
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)
- Case size: 0.30"H x 0.43" Dia.

Part No.	Mfr. Cross Ref. No.	1	10	50
136653CJ	40TR16F	$6.95	$6.29	$5.65
139491CJ	40TR12B	6.95	6.29	5.65

Latched Hall Effect Sensor



- SP (south pole): on NP (north pole): off
- Supply voltage: 3-20V
- Supply current: 4mA
- Output current: 20mA
- Max. operating point: ≤ 130
- Max. release point (gauss): ≤ 130

Part No.	Mfr. Cross Ref. No.	1	10	100	1000
174043CJ	HI-300	$.95	$.86	$.77	$.59

Vibration/Tilt Switch Sensor

Detects motion or vibration when the switch is mounted such that its main axis is near to the horizontal.



- Contact form: SPDT
- Maximum contact load: 24VDC/115VAC @ 0.5A
- Typical contact resistance: 1Ω (measured at 5VDC @ 0.01A with switch tilted 45˚ beyond operating point)
- Tilt: one plane only; ±10 degrees included angle
- Minimum operating temperature: -37˚C

SALE

Part No.	Mfr. Cross Ref. No.	1	10	100
235926CJ	Series 3004	$.99	$.91	$.82

Pressure Sensors

Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

freescale semiconductor

- To convert kPa to PSI: 1kPa = 0.1450377PSI

Part No.	Product No.	Type*	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100
320899CJ	MPX10DP	D	344C	0 - 10	35mV	3 @ 6	$10.95	$10.40	$9.88
320987CJ	MPX2010DP	D	344C	0 - 10	25mV	10 @ 6	14.85	14.07	13.37
321015CJ	MPX2010GP	G	344B	0 - 10	25mV	10 @ 6	14.65	13.90	13.21
321040CJ	MPX2050GP	G	344B	0 - 50	40mV	10 @ 6	15.05	11.71	10.25
321293CJ	MPX5050D	D	867	0 - 50	4.7V	5 @ 7	16.15	13.10	12.40
321314CJ	MPX5050GP	G	867B	0 - 50	4.7V	5 @ 7	17.29	13.59	12.81
321200CJ	MPX4115A	A	867	15 - 115	4.8V	5.1 @ 7	16.69	13.09	12.33
321218CJ	MPX4115AP	A	867B	15 - 115	4.8V	5.1 @ 7	17.29	13.59	12.40
321331CJ	MPX5100DP	D	867C	15 - 115	4.7V	5 @ 7	17.45	13.71	12.92
321234CJ	MPX4250AP	A	867B	20 - 250	4.9V	5.1 @ 7	17.29	13.59	12.81
321411CJ	MPXA4250A6U	A	482	20 - 250	4.9V	5.1 @ 7	16.69	13.09	12.33
321373CJ	MPX5700GP	G	867B	0 - 700	4.7V	5 @ 7	17.29	13.59	12.40

* A = absolute; D = differential; G = gauge



Color Code Legend: New | Sale | Lower$ | QtySave

DC Brushless Fans

Color Code Legend: New | Sale | Lower$ | QtySave


163475CJ

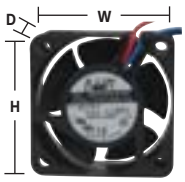

102921CJ

Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating

SALE

Quantity SAVE



249375CJ


354933CJ

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")♦ See metric below	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
163475CJ	Nidec	C34427-55APP	5	1.00 x 1.00 x 0.40	0.5	Ball	90	0.45	None	22	2"	$4.95	$4.46	$3.56	$2.67
131246CJ	Adda	AD0205LX-G50	5	1.00 x 1.00 x 0.40	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	8.49	7.64	7.01	6.38
206156CJ	Sunon	KDE0502PFB3-8	5	1.00 x 1.00 x 0.40	1.8	Ball	60	0.3	UL/CSA/TUV/CE	23	5"	11.95	10.76	8.60	6.45
196373CJ	Sunon	KD0504PFB2-8	5	1.60 x 1.60 x 0.40	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	8.09	7.25	6.55
102921CJ	Sunon	KD0504PFS2-8	5	1.60 x 1.60 x 0.40	6.3	Sleeve	120	0.6	UL/CUL	24.3	12"	7.95	6.95	6.25	5.59
171678CJ	Delta	AFB0405HHD	5	1.60 x 1.60 x 0.80	8.6	Ball	700	2.0	None	36	2.5"	5.49	4.94	4.45	3.70
207061CJ	Adda	AD0505MB-G90	5	2.00 x 2.00 x 0.40	10.5	Ball	120	0.7	UL/CSA/CE	24	11"	7.95	7.16	5.72	4.29
355493CJ	Sunon	KD0506PTS3	5	2.36 x 2.36 x 1.00	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn.	8.19	7.29	6.80	6.46
279566CJ	Mechatronics	F6025H05B	5	2.36 x 2.36 x 1.00	20	Ball	410	2.05	UL/CUL/TUV	31	6"	8.45	8.05	7.18	6.82
212804CJ	Sunon	KDE1202PFB3-8	12	1.00 x 1.00 x 0.40	1.3	Ball	40	0.5	UL/CUL/TUV/CE/VDE	26	5.9"	10.95	9.89	8.89	7.99
102912CJ	Sunon	KD1202PFB2-8	12	1.00 x 1.00 x 0.40	2.0	Ball	60	0.7	UL/CSA/TUV	30	6"	11.95	10.74	8.94	7.14
212791CJ	Sunon	KDE1202PFB1-8	12	1.00 x 1.00 x 0.40	2.4	Ball	80	1.0	UL/CUL/TUV/CE/VDE	33	5.9"	10.95	9.86	7.88	6.26
212783CJ	Sunon	KDE1203PFB1-8	12	1.18 x 1.18 x 0.40	3.5	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	10.95	8.50	7.85	6.95
212741CJ	Sunon	KDE1235PFB2-8	12	1.40 x 1.40 x 0.40	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	5.9"	11.95	10.76	8.60	6.45
212759CJ	Sunon	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VDE	25	5.9"	11.95	10.76	9.68	8.06
207052CJ	Adda	AD0412MB-K90	12	1.60 x 1.60 x 0.25	5.5	Ball	60	0.72	UL/CSA/TUV/CE	25	5"	6.95	6.26	5.00	3.75
191476CJ	Common Wealth	FP-108HX/DC	12	1.60 x 1.60 x 0.40	4.0	Sleeve	60	0.72	UL/CSA/TUV/CE	25	12" ~~$5.95~~	5.29	4.76	3.81	2.86
210796CJ	Sunon	KD1204PFB3H	12	1.60 x 1.60 x 0.40	4.7	Ball	50	0.6	UL/CUL/TUV/CE	24	14"	6.95	6.25	5.59	4.95
355418CJ	ReliaPro	JR-DCF1241010S1	12	1.60 x 1.60 x 0.40	5.2	Sleeve	60	0.72	UL/CUL/TUV/CE	22.6	11.5"	5.65	3.85	3.52	3.35
279611CJ	Toyo	T401012VH	12	1.60 x 1.60 x 0.40	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12" ~~$7.49~~	6.49	5.84	4.67	3.50
189691CJ	Sunon	KD1204PFS2	12	1.60 x 1.60 x 0.40	6.3	Sleeve	70	0.9	UL/CSA/TUV	24	12"	7.95	7.16	5.72	4.29
161699CJ	Sunon	KD1204PFB2-8	12	1.60 x 1.60 x 0.40	6.3	Ball	70	0.6	UL/CSA/TUV	30	12"	7.95	7.16	5.72	4.29
212716CJ	Sunon	KDE1204PFB2-H	12	1.60 x 1.60 x 0.40	6.5	Ball	90	1.1	UL/CUL/TUV/CE/VDE	27	12"	6.65	4.95	4.36	3.95
290010CJ	Adda	AD0412HB-G70	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn.	4.95	4.60	4.14	3.72
311968CJ	Adda	AD0412HS-G70	12	1.60 x 1.60 x 0.40	6.7	Sleeve	100	1.2	UL/CUL/TUV/CE	25	2.5"	4.25	2.89	2.69	2.59
213428CJ	Adda	ADO412HB-G76[1]	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	CE	30.2	12"/3 leads	7.59	6.83	5.46	4.10
212724CJ	Sunon	KDE1204PFB1-H	12	1.60 x 1.60 x 0.40	8.3	Ball	110	1.4	UL/CUL/TUV/CE/VDE	34.4	12"	6.65	5.98	4.79	3.59
174131CJ	Jamicon	JF0413S1M	12	1.60 x 1.60 x 0.47	3.8	Sleeve	90	1.1	UL/CSA/TUV	29	14"	2.95	2.66	2.12	1.59
136178CJ	Adda	AD0412MS-C70	12	1.60 x 1.60 x 0.80	5	Sleeve	110	1.32	UL/CSA	23	9"	5.49	4.95	3.95	2.95
195899CJ	Sunon	KDE1204PKS2	12	1.60 x 1.60 x 0.80	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	7.95	7.15	6.45	5.35
279620CJ	Toyo	T402012H	12	1.60 x 1.60 x 0.80	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	7.29	6.56	5.25	3.94
195881CJ	Common Wealth	FP-108G/DC(S1) ✪	12	1.60 x 1.60 x 0.80	7.6	Ball	160	1.92	UL/CSA/CE	32	12"	3.45	3.11	2.48	1.86
206447CJ	Delta	DFB0412H	12	1.60 x 1.60 x 0.80	8.5	Ball	100	1.0	UL/CSA/VDE	32	8"	7.95	7.16	6.44	5.80
249375CJ	Adda	ADO412HB-C56[2]	12	1.60 x 1.60 x 0.80	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2"	8.95	8.06	6.44	4.83
206164CJ	Sunon	KDE1204PKBX-8	12	1.60 x 1.60 x 0.80	10	Ball	90	1.1	UL/TUV/CE	29.4	2"	8.95	8.06	6.44	4.83
212679CJ	Sunon	KDE1245PFB3-H	12	1.80 x 1.80 x 0.40	6.1	Ball	60	0.7	UL/CUL/TUV/CE/VDE	23	12"	5.49	4.94	4.45	4.00
212687CJ	Sunon	KDE1245PFB2-H	12	1.80 x 1.80 x 0.40	8.0	Ball	90	1.1	UL/CUL/TUV/CE/VDE	29	12"	5.49	4.94	3.95	2.96
212644CJ	Sunon	KDE1205PFB3-HG	12	2.00 x 2.00 x 0.40	8.5	Ball	60	0.7	UL/CUL/TUV/CE/VDE	26	12"	6.49	5.84	5.26	4.73
212652CJ	Sunon	KDE1205PFB2-HG	12	2.00 x 2.00 x 0.40	10.6	Ball	80	1.0	UL/CUL/TUV/CE/VDE	31.5	12" ~~$6.65~~	5.19	4.67	3.74	2.85
297959CJ	Delta	EFB0512HA	12	2.00 x 2.00 x 0.40	11.4	Ball	150	1.8	UL/CSA/CE/VDE	30	6" w/ conn.	6.29	5.66	4.53	3.40
212661CJ	Sunon	KDE1205PFB1-HG	12	2.00 x 2.00 x 0.40	12.5	Ball	110	1.4	UL/CUL/TUV/CE/VDE	36	12"	6.65	4.95	4.36	3.95
212628CJ	Sunon	KDE1205PHB3-H ✪	12	2.00 x 2.00 x 0.60	10.2	Ball	60	0.7	UL/CUL/TUV/CE/VDE	22.5	12"	8.29	7.46	6.71	5.60
206965CJ	Adda	AD0512HB-D71	12	2.00 x 2.00 x 0.60	11.7	Ball	100	1.2	UL/CUL/TUV/CE	28.5	5"	3.55	3.20	2.56	1.92
139601CJ	Adda	AD0512HS-D71	12	2.00 x 2.00 x 0.60	12	Sleeve	100	1.2	UL/CSA/CE	29	12" ~~$8.95~~	7.49	6.74	5.39	4.04
206172CJ	Sunon	KDE1205PHB2-TM[3]	12	2.00 x 2.00 x 0.60	12.7	Ball	140	1.7	UL/CSA/CE	27.8	11"/3 leads	7.95	7.16	6.44	5.80
212636CJ	Sunon	KDE1205PHB2-H	12	2.00 x 2.00 x 0.60	13	Ball	80	1.0	UL/CUL/TUV/CE/VDE	29.5	12"	8.29	7.46	5.97	4.48
249092CJ	Sunon	KD1206PFB1	12	2.36 x 2.36 x 0.40	16.5	Ball	120	1.4	UL/CSA/CE/TUV	36	11"	7.99	7.17	6.60	6.05
354933CJ	Delta	EFB0612MA	12	2.36 x 2.36 x 0.40	15.5	Ball	120	1.4	UL/CSA/VDE/CE	29	12"/3 leads	7.99	7.19	5.75	4.31
195944CJ	Adda	AD612MS-D71GL	12	2.36 x 2.36 x 0.60	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	6.95	6.26	5.00	3.75
249068CJ	Jamicon	JF0615B1H	12	2.36 x 2.36 x 0.60	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	8.75	7.89	7.09	6.39
175046CJ	Globe Motors	D24-B08A-04W3-000	12	2.36 x 2.36 x 0.80	10.6	Ball	90	0.8	UL/CSA/TUV/CE	22	13"	6.95	6.26	5.00	3.75
144160CJ	Adda	AD0612LB-C70GL	12	2.36 x 2.36 x 0.80	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	8.49	7.69	6.15	4.65
189595CJ	Sunon	KD1206PKS2	12	2.36 x 2.36 x 0.80	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	4.95	4.46	3.56	2.61

[1] **213428CJ:** ATX PC type [2] **249375CJ:** Speed sensor [3] **206172CJ:** Locked rotor alarm ✪ Blue Part No. = Limited Quantity Available

DC Brushless Fans continued on pages 157 and 158

♦**Size Conversion: Inches to mm**

Inches	0.25	0.40	0.47	0.60	0.80	0.90	1.00	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.98	3.15	3.63	3.72	3.83	4.68	5.00	5.90	6.75
mm	6	10	12	15	20	23	25	30	32	35	38	40	45	50	60	75	80	92	95	97	120	127	150	170

Call for additional OEM PRICING – we carry major manufacturers.


234894CJ

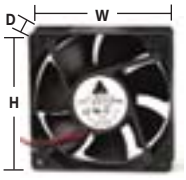

102955CJ

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating

NEW

Quantity SAVE


227900CJ



163619CJ

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D") ♦ See metric below	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
237075CJ	Nidec	TA225DC-B33399-55	12	2.36 x 2.36 x 1.00	12	Ball	110	1.3	UL/CSA	17.2	10"	$5.95	$5.36	$4.28	$3.21
75352CJ	Common Wealth	FP108FDC12VS2	12	2.36 x 2.36 x 1.00	15.5	Sleeve	110	1.3	UL/CSA/TUV/CE	25	12"	5.79	5.21	4.17	3.13
136143CJ	Delta	SB0612M	12	2.36 x 2.36 x 1.00	17.7	Sleeve	110	1.8	UL/CSA/VDE	26.5	5"	5.95	5.36	4.28	3.21
279646CJ	Toyo	T602512H	12	2.36 x 2.36 x 1.00	18.1	Ball	140	1.7	UL/CUL/TUV/CE	34	12"	5.89	5.30	4.24	3.18
102947CJ	Jamicon	JF0625S1H	12	2.36 x 2.36 x 1.00	20.5	Sleeve	230	2.7	UL/CSA/TUV	30.5	11" ~~$6.95~~	6.49	5.84	4.67	3.50
150421CJ	Jamicon	JF0625B1H	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.7	UL/CSA/TUV	30.5	10"	6.95	6.26	5.00	4.29
195910CJ	Sunon	KD1206PTS1	12	2.36 x 2.36 x 1.00	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	6.49	5.84	5.26	4.73
109081CJ	Adda	AD0812HS-D71	12	3.15 x 3.15 x 0.60	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.99	8.09	7.25
141920CJ	Adda	AD0812HB-C70	12	3.15 x 3.15 x 0.80	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	6.35	5.95	5.75	5.55
16993CJ	Various	FAN7315SL[1]*	12	3.15 x 3.15 x 1.00	25-40*	Sleeve	120-200*	1-2*	UL/CSA*	25*	4-12"*	6.95	6.26	5.00	3.75
75361CJ	Various	FAN6315BL*	12	3.15 x 3.15 x 1.00	25-40*	Ball	120-200*	1-2*	UL/CSA*	25*	4-12"*	5.95	5.36	4.28	3.21
234894CJ	Adda	AD0812LB-A70GL	12	3.15 x 3.15 x 1.00	27.6	Ball	120	1.44	UL/CSA/TUV/CE	22.5	11.5	8.19	6.39	5.89	5.49
286926CJ	Toyo	USTF802512MW	12	3.15 x 3.15 x 1.00	29	Ball	180	2.16	UL/CSA/CE/VDE	24.8	4.5"	6.99	6.29	5.05	3.79
154288CJ	Sunon	KDE1208PTS3-6	12	3.15 x 3.15 x 1.00	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	4.55	4.10	3.28	2.46
195952CJ	Panasonic	FMB-08A12M	12	3.15 x 3.15 x 1.00	30	Sleeve	124	1.5	UL/CSA	28	11"	4.55	4.10	3.28	2.46
123529CJ	Adda	AD0812MS-A70GL	12	3.15 x 3.15 x 1.00	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	6.95	6.26	5.00	3.75
265578CJ	Yate Loon	D80SH-12	12	3.15 x 3.15 x 1.00	33	Ball	190	2.28	UL/CUL/TUV/CE	35.0	5"	7.29	7.18	7.07	6.96
166959CJ	NMB (Smart Fan)	3110NL-012Q340-00†	12	3.15 x 3.15 x 1.00	35	Ball	290	3.5	UL/CSA	35	2"	8.95	8.06	6.44	4.83
191599CJ	NMB	3110KL-04W-B50	12	3.15 x 3.15 x 1.00	39	Ball	230	2.7	CSA	34	10"	7.49	6.74	5.39	4.04
185834CJ	Panaflo	FBM08A12H	12	3.15 x 3.15 x 1.00	39.6	Sleeve	220	2.1	None	32	11"	6.95	6.26	5.00	3.75
206181CJ	Sunon	KDE1208PTS1-6	12	3.15 x 3.15 x 1.00	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	5.95	5.36	4.28	3.21
355400CJ	ReliaPro	JR-DCF128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.05	5.10	4.80	4.56
102955CJ	Sunon	KD1208PTB1	12	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	UL/CSA/TUV/CE	33.5	12"	6.49	5.85	5.29	4.75
249148CJ	Sunon	KDE1208PTB1-6	12	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	None	33.5	12"	6.49	5.85	5.29	4.75
172460CJ	Nidec	TA300DCM33406-68[2]	12	3.15 x 3.15 x 1.00	43	Ball	290	3.5	UL/CSA	41	11"/3 leads	9.95	8.99	7.19	5.39
189755CJ	Cheng	CHA8012DB	12	3.15 x 3.15 x 1.00	44.3	Ball	300	3.6	UL	37	2" w/ conn.	5.49	4.94	3.95	2.96
323897CJ	Mechatronics	F8025E12B1[3]	12	3.15 x 3.15 x 1.00	46	Ball	240	2.88	UL/CUL/TUV	32	3"/3 leads	6.99	5.09	4.79	4.45
196015CJ	Cheng	CHA9212CB ✪	12	3.63 x 3.63 x 1.00	44.1	Ball	190	2.3	UL/CSA	31	12"	5.25	4.73	3.78	2.84
75441CJ	Common Wealth	FP108BDC12VS1	12	3.63 x 3.63 x 1.00	45	Sleeve	320	3.1	UL/CSA/TUV	32	10"	3.19	2.87	2.58	2.33
154641CJ	Nidec	TA350DC-M33422-16	12	3.63 x 3.63 x 1.00	48	Ball	290	3.5	UL/CSA	43	12"	7.55	6.80	5.44	4.08
190983CJ	Sunon	KD1209PTB1-6A	12	3.63 x 3.63 x 1.00	51	Ball	220	2.6	UL/CSA/TUV	34	12"	7.25	6.52	5.22	3.92
162739CJ	NMB (Smart Fan)	3610KL-04W-B56†	12	3.63 x 3.63 x 1.00	55	Ball	430	3.8	UL/CSA/VDE/CE	37	10"/3 leads	7.95	7.16	6.44	5.80
102963CJ	Nidec	TA350DC-M33503-55	12	3.63 x 3.63 x 1.00	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	6.25	5.59
319193CJ	Pabst	3312-177	12	3.63 x 3.63 x 1.26	54.7	Ball	290	3.5	UL/CSA/CE/VDE	43	12"	7.95	7.16	5.72	4.29
213567CJ	Nidec	A34124-33[4]	12	3.83 x 3.72 x 1.30	25	Ball	650	7.8	UL/CUL	60	11.5"/3 leads	19.95	17.95	14.36	10.77
174140CJ	Common Wealth	FP108MS3	12	4.68 x 4.68 x 1.00	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	6.95	6.26	5.00	3.75
227900CJ	Common Wealth	FP-108M-S1-B	12	4.68 x 4.68 x 1.00	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	10.95	9.85	8.89	7.99
363848CJ	Mechatronics	E1225H12B	12	4.68 x 4.68 x 1.00	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	16.09	14.48	11.58	8.69
174924CJ	Globe Motors	D47-B10A-04T3-000	12	4.68 x 4.68 x 1.00	90	Ball	740	6.8	UL/CSA	39	Terminals	6.95	6.26	5.00	3.75
163619CJ	NMB (Smart Fan)	4710NL012P535P0†	12	4.68 x 4.68 x 1.00	90	Ball	740	8.9	None	38.5	12"	4.95	4.46	3.56	2.67
159020CJ	Sunon	KDE1212PMS1-6A	12	4.68 x 4.68 x 1.50	107	Sleeve	570	6.8	UL/CSA/TUV	41	12"	11.95	10.76	8.60	6.45
94625CJ	Sunon	KD1212PMB1-6A	12	4.68 x 4.68 x 1.50	108	Ball	570	6.8	UL/CSA/TUV/CE	42	12"	11.95	10.76	8.60	6.45
285966CJ	Delta	AFB1212VHE	12	4.68 x 4.68 x 1.50	130	Ball	900	10.8	UL/CSA/VDE/CE	48	6"	14.95	13.45	10.75	8.09
355565CJ	Panaflo	FBA12G12U	12	4.68 x 4.68 x 1.50	114.7	Sleeve	650	7.8	UL/CSA	45.5	9.5" w/ conn.	11.55	10.40	8.32	6.24
206201CJ	Sunon	KDE2404PKB3	24	1.60 x 1.60 x 0.80	6	Ball	30	0.7	UL/CSA/TUV/CE	24	12"	7.49	6.74	5.39	4.04
100909CJ	Sunon	KD2404PKS2	24	1.60 x 1.60 x 0.80	6.5	Sleeve	50	1.2	UL/CSA/TUV/CE	25.5	12"	7.95	7.16	6.44	5.36

[1] **16993CJ:** Replacement for the PC/XT computer power supply fan

[2] **172460CJ:** Locked rotor alarm

[3] **185826CJ/323897CJ:** Speed sensor

[4] **213567CJ:** Blower type

† Temperature control: P/N **166959CJ** (40˚C); P/N **162739CJ** (50˚C, 3 leads); P/N **163619CJ** (35˚C)

* Manufacturer & specifications may vary

✪ Blue Part No. = Limited Quantity Available

DC Brushless Fans continued on page 158

♦Size Conversion: Inches to mm

Inches	0.25	0.40	0.47	0.60	0.80	0.90	1.00	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.98	3.15	3.63	3.72	3.83	4.68	5.00	5.90	6.75
mm	6	10	12	15	20	23	25	30	32	35	38	40	45	50	60	75	80	92	95	97	120	127	150	170

DC Brushless Fans *(Continued)*

Color Code Legend: New | Sale | Lower$ | QtySave

Quantity SAVE


227248CJ


236099CJ

Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating


249287CJ



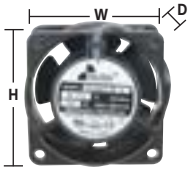
153411CJ

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")♦ See metric below	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
140661CJ	NMB	2408NL-05W-B60	24	2.36 x 2.36 x 0.80	18.4	Ball	100	2.4	None	31	2"	$5.95	$5.36	$4.28	$3.21
174107CJ	Jamicon	JF0625S2M	24	2.36 x 2.36 x 1.00	18	Sleeve	130	3.1	UL/TUV	28.5	10"	5.79	5.21	4.17	3.13
189860CJ	Jamicon	JF0625B2M	24	2.36 x 2.36 x 1.00	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	8.06	7.25	6.52
227248CJ	Mechatronics	F6025E24B	24	2.36 x 2.36 x 1.00	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	7.15	5.75	4.29
290028CJ	Jamicon	JF0825B2M	24	3.15 x 3.15 x 1.00	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.25	7.42	5.94	4.46
136160CJ	Jamicon	JF0825B2H	24	3.15 x 3.15 x 1.00	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.49	8.55	7.69	6.95
189878CJ	Sunon	KD2408PTB1-6A	24	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	UL/CSA/TUV/CE	36.5	12"	9.95	8.99	8.05	6.75
236099CJ	Papst	8314/19H[1]	24	3.15 x 3.15 x 1.26	32	Ball	245	6.0	UL/CSA/VDE/CE	36	12"/3 leads	4.95	4.46	3.56	2.67
189886CJ	NMB	3610KL-05W-B30	24	3.63 x 3.63 x 1.00	40.6	Ball	87	2.1	UL/CSA/VDE	34	12"	7.95	7.16	5.72	4.29
174094CJ	Jamicon	JF0925S2H	24	3.63 x 3.63 x 1.00	52	Sleeve	190	4.6	UL/CUL	37	10"	6.95	6.26	5.00	3.75
175281CJ	Globe Motors	D47B10A05W2000	24	4.68 x 4.68 x 1.00	70	Ball	160	2.9	UL/CSA/TUV/CE	34	12"	12.95	11.66	10.49	9.44
249287CJ	Jamicon	JF1225B2H5	24	4.68 x 4.68 x 1.00	83	Ball	500	12	None	41.1	7.5"	12.39	11.15	8.92	6.69
206228CJ	Sunon	KDE2412PMS1-6A[1]	24	4.68 x 4.68 x 1.50	107	Sleeve	310	7.4	UL/CSA/TUV/CE	41	11"/3 leads	13.69	12.32	11.09	9.98
100968CJ	Sunon	KDE2412PMB3-6A	24	4.68 x 4.68 x 1.50	83	Ball	140	3.4	UL/CSA/TUV/CE	35	12"	12.95	11.69	10.49	9.39
153411CJ	Sunon	KD2412PMB2-6A	24	4.68 x 4.68 x 1.50	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	11.95	10.79	9.69	8.75
320021CJ	Papst	W2G115-AE31-01	24	5.00 x 5.00 x 1.50	130	Ball	475	5.7	UL/CSA/VDE	48	10.5"	33.45	30.11	24.08	18.06

[1] **236099CJ/206228CJ:** Locked rotor alarm

Fans

AC Tube Axial Fans



213866CJ


146077CJ

Call for additional OEM PRICING – we carry major manufacturers.

- Rating 115 & 220VAC @ 50-60Hz
- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 10 to 226 CFM

Fan Power Cords on Next Page


75432CJ


111894CJ

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")♦ See metric below	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
213866CJ	Fulltech	UF60D11BWH	115	2.36 x 2.36 x 1.18	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	$15.95	$14.39	$12.95	$11.65
162704CJ	Toyo	USTF60301153W	115	2.36 x 2.36 x 1.18	11	Ball	38	4	UL/CSA/CE	29	12" leads	15.49	13.95	12.55	11.64
146077CJ	Common Wealth	FP108AX-S1-B	115	3.15 x 3.15 x 1.00	23	Ball	140	14	UL/CE	29	12" leads	12.95	11.69	10.49	9.45
300556CJ	Fulltech	UF80B11SWH	115	3.15 x 3.15 x 1.00	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	9.19	8.25	7.98	7.70
300257CJ	Fulltech	UF80B11BTH	115	3.15 x 3.15 x 1.00	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	10.19	9.18	8.87	8.57
300581CJ	Fulltech	UF80A11SWL	115	3.15 x 3.15 x 1.50	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	9.59	8.64	8.35	8.06
300302CJ	Fulltech	UF80A11BWL	115	3.15 x 3.15 x 1.50	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	10.55	9.50	9.19	8.87
300329CJ	Fulltech	UF80A11BTL	115	3.15 x 3.15 x 1.50	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	10.55	9.50	9.19	8.87
300599CJ	Fulltech	UF80A11BWH	115	3.15 x 3.15 x 1.50	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	11.39	10.26	9.59	9.09
300388CJ	Fulltech	UF80A11BTH	115	3.15 x 3.15 x 1.50	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.39	10.26	9.58	9.10
297932CJ	Fulltech	UF80A11SWH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	12" leads	10.19	9.18	8.99	8.57
303386CJ	Fulltech	UF80A11STH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	Terminals	10.19	9.18	8.87	8.57
303394CJ	Fulltech	UF80A11STL	115	3.15 x 3.15 x 1.50	25	Sleeve	100	11.5	UL/CUL/TUV/CE	32	Terminals	10.19	9.18	8.87	8.57
75459CJ	Sunon	SF11592A-1092HBT	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	15.95	14.39	12.95	11.65
75432CJ	Sunon	SF11592A-1092HSL	115	3.63 x 3.63 x 1.00	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	12.55	11.29	10.19	9.15
303466CJ	Sunon	SF11592A-1092HBL	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	15.95	14.39	12.95	11.65
124062CJ	Sunon	SP101AT1122HBT	115	4.68 x 4.68 x 1.00	78	Ball	180	18	CSA/TUV/CE	46	Terminals	13.49	10.95	9.89	9.19
303407CJ	Sunon	SP100A-1123XBL	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	14.95	13.95	12.95	11.95
303415CJ	Common Wealth	FP108-1-S1-B/W	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	15.29	13.75	12.39
303482CJ	Fulltech	UF12A11SWL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CSA/TUV/CE	15	12" leads	12.85	11.54	10.77	10.23
303440CJ	Fulltech	UF12A11BWL1	115	4.68 x 4.68 x 1.50	64	Ball	80	115	UL/CSA/TUV/CE	37	12" leads	14.95	13.49	12.15	10.95
118965CJ	Fulltech	UF12A12BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CSA/TUV/CE	37	Terminals	12.85	11.54	10.76	10.23
303360CJ	Fulltech	UF12A11BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	12.85	11.54	10.76	10.23
300791CJ	Fulltech	UF12A11STL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	10.95	9.84	9.51	9.19
111894CJ	Common Wealth	FP108-1-S1/W	115	4.68 x 4.68 x 1.50	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	13.95	12.59	11.35	10.19
106585CJ	Common Wealth	FP108-1-S1/T	115	4.68 x 4.68 x 1.50	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	15.95	14.39	12.95	11.65
16934CJ	Common Wealth	FP108-1-S1-B	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	15.29	13.75	12.39

♦**Size Conversion: Inches to mm**

Inches	0.25	0.40	0.47	0.60	0.80	0.90	1.00	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.98	3.15	3.63	3.72	3.83	4.68	5.00	5.90	6.75
mm	6	10	12	15	20	23	25	30	32	35	38	40	45	50	60	75	80	92	95	97	120	127	150	170

Call for additional OEM PRICING – we carry major manufacturers.



212599CJ



275792CJ

- Rating 115 & 220VAC @ 50-60Hz
- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 10 to 226 CFM

Fan Power Cords Below

Lower $$$



206308CJ



209365CJ

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")♦ See metric below	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
212599CJ	Fulltech	UF12A11BWH	115	4.68 x 4.68 x 1.50	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	$12.95	$11.95	$10.95	$9.95
275792CJ	Sunon	SP101A-123HBT	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CSA/TUV/CE	50	Terminals	12.85	11.19	9.25	6.95
206308CJ	Adda	AA1281UB-AT	115	4.68 x 4.68 x 1.50	107	Ball	230	24	CE	48	Terminals	14.95	13.46	10.76	8.07
102883CJ	Sunon	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	14.95	13.95	12.95	11.95
108724CJ	Fulltech	UF15AC11BTH	115	6.75 x 5.90 x 1.50	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	27.95	25.16	20.12	17.91
212581CJ	Fulltech	UF15PC11BWH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	24.95	22.46	17.96	17.39
189683CJ	Fulltech	UF15PC11BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	29.95	26.96	21.56	19.15
355629CJ	Fulltech	UF-80A23-BTH	220	3.15 x 3.15 x 1.50	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	11.39	10.26	9.75	9.26
100917CJ	Sunon	SF23080A/2083HSL	220	3.15 x 3.15 x 1.50	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	10.49	8.39	7.55	6.40
209365CJ	Bi-Sonic	4C-230LB	220	4.68 x 4.68 x 1.50	63	Ball	60	9	TUV/CE	34	10" leads	12.95	11.66	9.32	8.01
302244CJ	Rotron	28023	220	4.68 x 4.68 x 1.50	88	Ball	130	28.6	UL/CSA	50.7	Terminals	18.95	17.05	15.35	13.81
303458CJ	Sunon	DP200A-2123XBL	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.39	12.95	11.65
102891CJ	Sunon	DP200A-2123XBT	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65

♦Size Conversion: Inches to mm

Inches	0.25	0.40	0.47	0.60	0.80	0.90	1.00	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.98	3.15	3.63	3.72	3.83	4.68	5.00	5.90	6.75
mm	6	10	12	15	20	23	25	30	32	35	38	40	45	50	60	75	80	92	95	97	120	127	150	170

Fans

Fan Guards, Filters and Power Cords



123502CJ



120037CJ



31923CJ/123511CJ



25734CJ



138561CJ/196816CJ



229665CJ



138579CJ/130104CJ

Compatible with DC and AC Fans – pages 156 - 159

Quantity SAVE

- All guards and filters fit all fans by matching the size dimension. Example: P/N 300556CJ fan (3.15") matches P/N 31923CJ metal guard (3.15").

Part No.	Description♦	1	10	100	250
123502CJ	1.60" metal (chrome) guard	$.49	$.44	$.35	$.26
120037CJ	2.36" metal (chrome) guard	.79	.71	.64	.54
31923CJ	3.15" metal (chrome) guard	.79	.65	.52	.49
123511CJ	3.63" metal (chrome) guard	.99	.89	.71	.53
25734CJ	4.68" metal (chrome) guard	1.09	.98	.78	.59

♦ Size conversion chart – above

Part No.	Description♦	1	10	100	250
138561CJ	3.15" plastic guard with mesh	$1.39	$1.25	$1.15	$.95
229665CJ	3.63" plastic guard with mesh	1.49	1.34	1.07	.80
196816CJ	4.68" plastic guard with mesh	1.95	1.55	1.39	1.25
138579CJ	3.15" alum. washable filter	2.95	2.66	2.12	1.59
130104CJ	4.68" alum. washable filter	3.49	3.19	2.75	2.49

♦ Size conversion chart – above

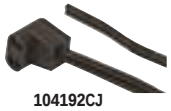
Fan Power Cords: 24" Straight and Right-Angle

- Cord type: SPT-1 (2) conductor black
- Voltage rating: 300V
- Temperature range: 60°C
- Fits all terminal fans

Part No.	Description	Length	1	10	100	250
28564CJ	Straight socket cord SALE	24"	$.82	$.70	$.56	$.50
104192CJ	90˚ angle socket cord	24"	.79	.71	.57	.43



28564CJ



104192CJ









For Heat Sinks
see page 49.





Fans For Heat Sinks
see page 202.









Color Code Legend
New Sale Lower$ QtySave

30-Watt Open Frame, Low Leakage

MPS-30 Series: Single Output



- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- -10˚C to + 50˚C working temperature (see www.Jameco.com)
- Load regulation: ±1.0%
- Line regulation: ±0.5%, except 220986CJ: ±1.0%
- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Three-year warranty
- Size: 4.0"L x 2.59"W x 0.98"H
- Isolation voltage: 4000VAC
- Mounting holes: 3.74"L x 2.02"W x 0.12"Dia.
- 2.9 watts/in³ maximum
- Mating connectors: P/Ns 104723CJ & 104432CJ, pg 113
- Weight: 0.3 lbs.

The Mean Well MPS-30 medical power supplies are low cost, high reliability open frame power supplies that feature a low leakage current of 0.3mA@240VAC. Other features of this open frame power supply are: universal input of 88-264VAC as well as 120-370VDC for battery-supported applications. Protections include short-circuit, overload, and over-voltage. They are UL and TUV approved, and carry a CE mark for use worldwide.

110-Watt Open Frame, Low Leakage

NFS110-79xxP Series: Quad Outputs



- 100% full-load burn-in
- 110W with 20 CFM of air
- Leakage current: 0.1mA @ 240V
- Size: 7.0"L x 4.25"W x 1.8"H
- Inrush current: 17A @ 120VAC
- Two-year warranty
- Universal AC input
- 2.1 watts/in³ maximum
- Voltage adjustment: 3%
- Isolation voltage: 4000VAC
- Line regulation: ±0.1%
- Weight: 1.3 lbs.
- Mounting holes: 6.6"L x 3.75"W x 0.156"Dia.
- Mating connectors: P/Ns 104723CJ, 104766CJ & 104432CJ, pg 113
- 0˚C to +70˚C working temperature (see www.Jameco.com)

The NFS110-79xxP models have proven to be highly reliable and versatile for a wide range of communication and industrial applications, with a very high peak current capability on each output for drive and motor applications. These models have full medical safety approval to EN60601 and UL2601, and meet conducted emissions requirements of EN55022 level A. They are designed for use in low power medical, dental and laboratory applications.

Medical Table-Top Power Supplies & Wall Adapters on Page 182

45 & 65-Watt Open Frame, Low Leakage

MPS-45 & MPS-65 Series: Single Output



- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- Isolation voltage: 4000VAC
- 2.9 watts/in³ max.
- Voltage adjustment: 10%
- -10˚C to + 60˚C working temperature (see www.Jameco.com)
- Leakage current: 0.3mA @ 240V
- Inrush current: 20A @ 120VAC
- Line regulation: ±1.0%
- Load regulation: ±2.0%, except 221057CJ, 221129CJ, 221145CJ: ±3.0%
- Soft-start circuit, limiting AC surge current
- Mating connectors: P/Ns 104432CJ and 104731CJ, pg 113
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Three-year warranty
- Weight: 0.6 lbs.
- Size: MPS-45: 5.0"L x 3.0"W x 1.06"H; MPS-65: 5.0"L x 3.0"W x 1.65"H

The MeanWell MPS-45 & MPS-65 medical power supplies are low cost, high reliability open frame power supplies. Other features of these power supplies are: universal input of 88-264VAC, as well as 120-370VDC for battery-applications. Full rated power is available with 18CFM forced air convection applied. Protections include short-circuit, overload, and over-voltage.

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Manufacturer Product Number	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
220986CJ	Mean Well	MPS-30-12	+12V@0-2.5A	30.0W	88-264@47-63	120	UL/CUL/TUV/CE	$33.95	$30.56	$27.50
220994CJ	Mean Well	MPS-30-15	+15V@0-2A	30.0W	88-264@47-63	150	UL/CUL/TUV/CE	25.29	22.97	20.89
221006CJ	Mean Well	MPS-30-24	+24V@0-1.2A	28.8W	88-264@47-63	240	UL/CUL/TUV/CE	33.95	30.56	27.50
221014CJ	Mean Well	MPS-30-27	+27V@0-1.1A	29.7W	88-264@47-63	240	UL/CUL/TUV/CE	25.99	23.62	21.47
221022CJ	Mean Well	MPS-30-48	+48V@0-0.6A	28.8W	88-264@47-63	240	UL/CUL/TUV/CE	26.15	23.74	21.59
221057CJ	Mean Well	MPS-45-7.5	+7.5V@0-5.4A	40.5W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221065CJ	Mean Well	MPS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221081CJ	Mean Well	MPS-45-15	+15V@0-3A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221090CJ	Mean Well	MPS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221102CJ	Mean Well	MPS-45-27	+27V@0-1.7A	45.9W	90-264@47-440	100	UL/CUL/TUV/CE	25.85	23.47	21.33
221111CJ	Mean Well	MPS-45-48	+48V@0-1A	48.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	28.31
221129CJ	Mean Well	MPS-65-3.3	+3.3V@0-12A	39.6W	90-264@47-440	80	UL/CUL/TUV/CE	27.15	24.64	22.40
221145CJ	Mean Well	MPS-65-7.5	+7.5V@0-8A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221153CJ	Mean Well	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221161CJ	Mean Well	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	33.95	28.86	21.64
221188CJ	Mean Well	MPS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	30.56	22.92
221196CJ	Mean Well	MPS-65-27	+27V@0-2.4A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	26.25	23.82	21.65
221209CJ	Mean Well	MPS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
220222CJ	Artesyn	NFS110-7901P	+5.1V@0-8; +12V@0-4.5A; -5V@0-0.5A; -12V@0-0.5A	110W	90-253@47-440	50	UL/CSA/VDE/CE	88.89	84.49	80.25
220214CJ	Artesyn	NFS110-7902P	+5.1V@0-8A; +12V@0-4.5A; +24V@0-3.5A; -12V@0-0.5A	110W	90-253@47-440	50	UL/CSA/VDE/CE	88.89	84.49	80.25

Other Versions Available: Call 800-831-4242

* Primary Output

www.Jameco.com — Our enhanced website offers more products. Find it quickly and order it easily!

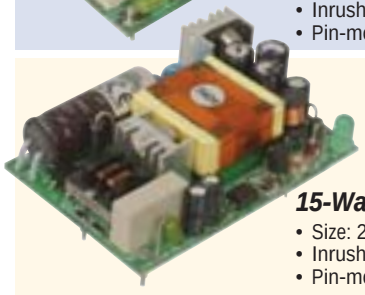
Ultraminiature 5 to 20-Watt Power Supplies

- Working temp.: -10 to 60°C
- UL/CUL/TUV/CE
- High reliability, low-cost
- Free air cooling convection
- Universal AC input/full range
- Short circuit/overload/over-voltage/over-temperature protection
- 100% full burn-in test
- Fixed switching frequency @ 100kHz
- Two year warranty



5-Watt OFM-5000 Series

- Size: 2.28"L x 1.77"W x 0.83"H
- Inrush current: 20A @ 115VAC
- Pin-mount



15-Watt OFM-1500 Series

- Size: 2.76"L x 1.89"W x 0.83"H
- Inrush current: 25A @ 115VAC
- Pin-mount

10-Watt OFM-0100 Series

- Size: 2.56"W x 1.77"L x 0.83"H
- Inrush current: 25A @ 115VAC
- Pin-mount



20-Watt OFM-0200 Series

- Size: 3.50"L x 2.00"W x 0.78"H
- Inrush current: 25A@115VAC
- Chassis mount



Jameco Part No.	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25
300281CJ	OFM-5001	+5V@0-1A	5W	±2%	±0.5%	50	**$30.39**	**$28.50**	**$27.08**
300409CJ	OFM-5002	+12V@0-0.42A	5W	±1%	±0.3%	150	**30.39**	**28.50**	**27.08**
300417CJ	OFM-5003	+15V@0-0.33A	5W	±1%	±0.3%	150	**30.39**	**28.50**	**27.08**
300425CJ	OFM-5005	+24V@0-0.23A	5W	±0.5%	±0.2%	240	**30.39**	**28.50**	**27.08**
300433CJ	OFM-0101	+5V@0-2A	10W	±2%	±0.5%	50	**36.09**	**34.20**	**32.49**
300441CJ	OFM-0102	+12V@0-0.85A	10W	±1%	±0.3%	180	**36.09**	**34.20**	**32.49**
300450CJ	OFM-0103	+15V@0-0.67A	10W	±1%	±0.3%	180	**36.09**	**34.20**	**32.49**
300468CJ	OFM-0105	+24V@0-0.42A	10W	±0.5%	±0.2%	240	**36.09**	**34.20**	**32.49**
300476CJ	OFM-1501	+5V@0-3A	15W	±2%	±0.5%	60	**40.85**	**38.00**	**36.10**
300484CJ	OFM-1502	+12V@0-1.25A	15W	±1%	±0.3%	150	**40.85**	**38.00**	**36.10**
300492CJ	OFM-1503	+15V@0-1.0A	15W	±1%	±0.3%	150	**40.85**	**38.00**	**36.10**
300505CJ	OFM-1505	+24V@0-0.63A	15W	±0.5%	±0.2%	240	**40.85**	**38.00**	**36.10**
300513CJ	OFM-0201	+5V@0-4.4A	20W	±2%	±0.5%	50	**43.69**	**40.85**	**38.81**
300521CJ	OFM-0202	+12V@0-1.8A	20W	±1%	±0.3%	150	**43.69**	**40.85**	**38.81**
300530CJ	OFM-0203	+15V@0-1.4A	20W	±1%	±0.3%	150	**43.69**	**40.85**	**38.81**
300548CJ	OFM-0205	+24V@0-0.92A	20W	±0.5%	±0.2%	240	**43.69**	**40.85**	**38.81**

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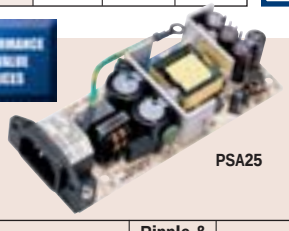
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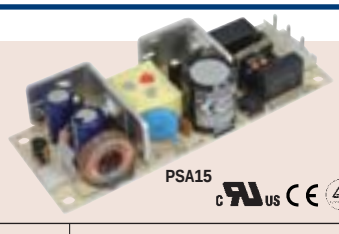
15 & 25-Watt Open Frame

Enclosed Power Supplies on pages 166-173.

PSA15 & PSA25 Series: Single & Triple Outputs

- Load regulation: ±2.0%
- Isolation voltage: 3,000 VAC
- Inrush current: 30A @ 120VAC
- Size: 4.33"L x 1.57"W x 0.91"H, except 230535CJ 3.6"L x 2.5"W x 1.1"H
- Line regulation: ±1.0%
- Voltage adjustment: 5% (PSA15 only)
- Temperature: 0˚ to +40˚C
- Universal input
- One-year warranty





Jameco Part No.	Manufacturer	Manufacturer Product Number	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
229041CJ	Phihong	PSA15LN3-050	+5V@0-3A	15W	90-264@47-63	50	UL/CUL/TUV/CE	**$17.95**	**$16.95**	**$16.19**
229059CJ	Phihong	PSA15LN3-120	+12V@0-1.25A	15W	90-264@47-63	120	UL/CUL/TUV/CE	**17.95**	**16.95**	**16.19**
229067CJ	Phihong	PSA15LN3-240	+24V@0-0.63A	15W	90-264@47-63	240	UL/CUL/TUV/CE	**16.95**	**16.40**	**15.84**
230535CJ	Phihong	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25W	90-264@47-63	50	UL/CUL/TUV/CE	**23.49**	**21.15**	**18.99**

* Primary Output

For Complete Specifications visit www.Jameco.com.

Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Mfr.	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes Inches (LxWxDia.)	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
189747CJ	Tamura	79642191	+5V@1A; +12V@1A	17W	120/230@50-60	4.7x2.4x1.1	—	50	—	1.0	—	**$8.95**	**$8.06**	**$7.25**
166967CJ	Super Mac	U002512010	+5V@2.5A; +12V@1A	24.5W	100-240@50-60	3.7x2.5x1.2	—	50	—	1.0	CSA/TUV	**14.29**	**12.86**	**11.57**

* Primary Output

Color Code Legend: New Sale Lower$ QtySave

25-Watt Open Frame

ARTESYN TECHNOLOGIES

NLP-25 Series: Single & Triple Outputs

- 100% full-load burn-in
- 3.3 watts/in³ maximum
- Load regulation: ±2.0%
- 0˚C to +50˚C working temp. (see www.Jameco.com)
- Size: 4.0"L x 2.07"W x 0.91"H
- Universal AC input
- Line regulation: ±2.0%
- Two-year warranty



25-Watt Open Frame

PS-25 & PD-25 Series: Single & Dual Outputs

- 100% full-load burn-in
- Inrush current: 40A @ 120VAC
- Size: 4.20"L x 2.40"W x 1.10"H
- -10˚C to +60˚C working temp (see www.Jameco.com)
- Universal AC input
- Two-year warranty



Part Number	Load Reg. (±%)	Line Reg. (±%)	Part Number	Load Reg. (±%)*	Line Reg. (±%)*	Part Number	Load Reg. (±%)*	Line Reg. (±%)*
212361CJ	2.5	0.5	216768CJ	1.0	0.3	212337CJ	1.0	0.5
212353CJ	2.0	0.5	212345CJ	0.5	0.2	212329CJ	1.0	0.5
392825CJ	2.0	0.5	392817CJ	0.5	0.2	394249CJ	4.0	2.0
148603CJ	1.0	0.3	212311CJ	4.0	1.0	148689CJ	3.0	0.5
392809CJ	1.0	0.3						

* Primary Output

40-Watt Open Frame

NFS-40 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- 50 watts with 20 CFM of air
- No minimum load required
- Load regulation: ±2.0%
- Line regulation: ±0.2%
- Inrush current: 12A @ 120VAC
- 0˚ to +70˚C working temperature (see www.Jameco.com)
- Voltage adjustment: 5%
- Mating connectors: P/Ns 104432CJ & 104731CJ, pg 113
- Size: 5.0"L x 3.0"W x 1.2"H
- Two-year warranty



45-Watt Open Frame

PSA45 Series: Single, Triple & Quad Outputs

Call for LOWER PRICES on Larger Quantities

- Load regulation: ±2.0%
- Inrush current: 20A @ 120VAC
- Size: 5.0"L x 3.0"W x 1.2"H
- Line regulation: ±2.0%
- Temperature: 0˚ to +50˚C
- Weight: 0.9 lbs.
- Universal input
- One-year warranty



Enclosed Power Supplies on pages 166-173.

For Complete Specifications visit www.Jameco.com.

NEW SALE

Power

Jameco Part No.	Manufacturer	Manufacturer Product Number	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	10	25
218481CJ	Artesyn	NLP25-7612 ✪	+12V@0-2.08A	25.0W	90-264@47-440	120	UL/CSA/VDE/CE	$36.19	$30.76	$27.68
218499CJ	Artesyn	NLP25-7624	+24V@0-1.04A	25.0W	90-264@47-440	150	UL/CSA/VDE/CE	~~$36.19~~ 31.15	28.29	25.71
218501CJ	Artesyn	NLP25-7608	+5V@0.2-2A; +12V@0.1-0.8A; -12V@0-0.1A	20.8W	90-264@47-440	50	UL/CSA/VDE/CE	31.29	28.45	25.87
212361CJ	Mean Well	PS-25-3.3	+3.3V@0-5A	16.5W	85-264@47-63	80	UL/CUL/TUV/CE	17.95	16.95	16.19
212353CJ	Mean Well	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
392825CJ	Mean Well	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
148603CJ	Mean Well	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
392809CJ	Mean Well	PS-25-13.5	+13.5V@0-1.9A	25.7W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
216768CJ	Mean Well	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	100	UL/CUL/TUV/CE	16.95	16.10	15.30
212345CJ	Mean Well	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
392817CJ	Mean Well	PS-25-27	+27V@0-0.9A	24.3W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
212311CJ	Mean Well	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	19.95	16.96	12.72
212337CJ	Mean Well	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
212329CJ	Mean Well	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
394249CJ	Mean Well	PD-2503	+3.3V@0.2-5A; +5V@0.1-4A	24.9W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
148689CJ	Mean Well	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
218510CJ	Artesyn	NFS40-7605	+5.1V@0-6A	30.6W	85-264@47-440	100	UL/CSA/VDE/CE	37.49	34.06	30.96
218528CJ	Artesyn	NFS40-7612	+12V@0-3.3A	39.6W	85-264@47-440	120	UL/CSA/VDE/CE	37.49	34.06	30.96
218536CJ	Artesyn	NFS40-7624	+24V@0-1.6A	38.4W	85-264@47-440	240	UL/CSA/VDE/CE	37.49	34.06	30.96
190086CJ	Artesyn	NFS40-7608	+5V@0-3A; +12V@0-2A; -12V@0-0.35A	43.2W	85-264@47-440	50	UL/CSA/VDE/CE	46.39	41.75	37.55
218552CJ	Artesyn	NFS40-7610 ✪	+5V@0-3A; +15V@0-2A; -15V@0-0.35A	50.2W	85-264@47-440	50	UL/CSA/VDE/CE	46.39	41.75	37.55
229075CJ	Phihong	PSA45-050	+5V@0-8A	40.0W	90-264@47-63	50	UL/CSA/TUV/CE	27.95	25.49	23.04
229091CJ	Phihong	PSA45-120	+12V@0-4A	48.0W	90-264@47-63	120	UL/CSA/TUV/CE	27.95	24.33	24.09
229112CJ	Phihong	PSA45-240	+24V@0-2A	48.0W	90-264@47-63	240	UL/CSA/TUV/CE	27.95	25.49	23.04
229121CJ	Phihong	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	50	UL/CSA/TUV/CE	31.95	28.79	25.89
229139CJ	Phihong	PSA4534	+5V@0-4A; +15V@0-1.2A; -15V@0-0.5A	45.5W	90-264@47-63	50	UL/CSA/TUV/CE	29.95	27.38	24.80
229147CJ	Phihong	PSA4541	+5V@0-3A; +12V@0-2A; -5V@0-0.5A; -12V@0-0.5A	47.5W	90-264@47-63	50	UL/CSA/TUV/CE	29.95	28.95	27.82

Other Versions Available: Call 800-831-4242

* Primary Output ✪ Blue Part No. = Limited Quantity Available

Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Mfr.	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes Inches (LxWxDia.)	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
210841CJ	Power-One	MAP42-1005	+5V@0-8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	~~$19.95~~ $17.95	$15.26	$11.44
168225CJ	Converter Concepts	STRC0006	+5V@2.7A; +12V@1.2A; +35V@.35A; -5V@.18A	30.0W	85-135@57-63	9.0x2.0x1.6	—	—	—	—	UL	5.95	5.35	4.79

* Primary Output

45-Watt Open Frame

PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

- 100% full-load burn-in
- Voltage adjustment: 10%
- Line regulation: ±1.0%
- Size: 5.0"L x 3.0"W x 1.06"H
- Universal AC input
- Inrush current: 20A @ 120VAC
- Load regulation: ±3.0% (except 213727CJ/213719CJ/374352CJ/374361CJ: ±2.0%)
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Two-year warranty

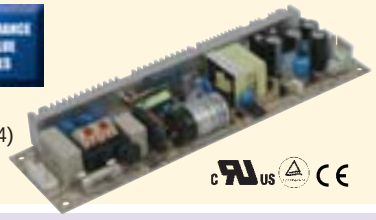


50-Watt Open Frame

Enclosed Power Supplies on pages 166-172.

LPS-50 Series: Single Output

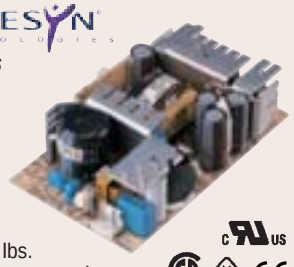
- 100% full burn-in
- Short circuit, overload, over-voltage protection
- LED power indicator
- Inrush current: 25A @ 115VAC
- Built-in remote ON-OFF
- Universal AC input
- Voltage adjustment: 10%
- Line regulation: ±1.0%
- Weight: 0.5 lbs.
- Power density: 3.32 watts/in³
- Input voltage: 90-264VAC@47-63Hz, 127-370VDC
- Load regulation: ±2.0% (LPS-50-12); ±1.0% (LPS-50-24)
- Working temperature: -20 to +70C
- Size: 7.7"L x 2.2"W x 0.9"H
- Two-year warranty



65-Watt Open Frame

NLP65-76 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- 75 watts with 20 CFM of air
- Load regulation: ±2.0%
- Line regulation: ±2.0%
- Inrush current: 17A @ 120VAC
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.26"H
- Weight: 0.6 lbs.
- 0˚ to +70˚C working temperature (see www.Jameco.com)



65-Watt Open Frame

PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- 100% full-load burn-in
- Voltage adjustment: 10%
- Line & load regulation: ±1.0 to ±4.0% (see www.Jameco.com)
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Inrush current: 20A @ 120VAC
- Two-year warranty
- Universal AC input
- Weight: 0.6 lbs
- Size: 5.0"L x 3.0"W x 1.65"H



65-Watt Open Frame with Power Factor Correction

NLP65-96 Series: Single & Triple Outputs

- 100% full-load burn-in
- No minimum load required
- Line regulation: ±2.0%
- Two-year warranty
- Universal AC input
- 75 watts with 20 CFM of air
- Inrush current: 17A @ 120VAC
- Weight: 0.6 lbs.
- Load regulation: ±2.0%
- 0˚ to +70˚C working temperature (see www.Jameco.com)
- Size: 5.0"L x 3.0"W x 1.26"H



Power

Enclosed Power Supplies on pages 166-173.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

NEW

SALE

Jameco Part No.	Manufacturer	Manufacturer Product Number	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
217331CJ	Mean Well	PS-45-5	+5V@0-8A	40.0W	90-264@47-440	100	UL/CUL/TUV/CE	**$22.95**	**$19.51**	**$14.63**
213727CJ	Mean Well	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	**27.95**	**21.99**	**19.85**
374352CJ	Mean Well	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	**27.95**	**21.99**	**19.85**
213719CJ	Mean Well	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	**27.95**	**21.99**	**19.85**
374361CJ	Mean Well	PS-45-27	+27V@0-1.95A	45.9W	90-264@47-440	100	UL/CUL/TUV/CE	**27.95**	**21.99**	**19.85**
194861CJ	Mean Well	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	50	UL/CUL/TUV/CE	**24.95**	**22.46**	**20.21**
194870CJ	Mean Well	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	50	UL/CUL/TUV/CE	**24.95**	**21.21**	**15.91**
88401CJ	Mean Well	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	50	UL/CUL/TUV/CE	**29.95**	**23.09**	**20.89**
252401CJ	Mean Well	LPS-50-12	+12V@0-4.2A	50.4W	90-264@47-63	80	UL/CUL/TUV/CE	**28.95**	**23.65**	**20.95**
252620CJ	Mean Well	LPS-50-24	+24V@0-2.1A	50.4W	90-264@47-63	80	UL/CUL/TUV/CE	**28.95**	**23.65**	**20.95**
218561CJ	Artesyn	NLP65-7605	+5V@0-13A	65.0W	85-264@47-63	50	UL/CUL/CSA/VDE/CE	**49.49**	**44.96**	**40.87**
218579CJ	Artesyn	NLP65-7612	+12V@0-5.4A	64.8W	85-264@47-63	120	UL/CUL/CSA/VDE/CE	**52.65**	**47.85**	**43.50**
218587CJ	Artesyn	NLP65-7608	+5V@0-7.5A; +12V@0-2.5A; -12V@0-0.65A	75.3W	85-264@47-63	50	UL/CUL/CSA/VDE/CE	**52.95**	**48.13**	**43.76**
201937CJ	Mean Well	PS-65-5	+5V@0-12A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	**29.95**	**25.46**	**19.09**
148638CJ	Mean Well	PS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	**29.95**	**25.29**	**21.99**
374379CJ	Mean Well	PS-65-13.5	+13.5V@0-5.4A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	**29.95**	**25.29**	**21.99**
216750CJ	Mean Well	PS-65-15	+15V@0-4.2A	63.0W	90-264@47-440	100	UL/CUL/TUV/CE	**24.95**	**21.21**	**15.91**
148646CJ	Mean Well	PS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	**29.95**	**25.29**	**21.99**
201945CJ	Mean Well	PS-65-27	+27V@0-2.4A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	**29.95**	**25.29**	**21.99**
201953CJ	Mean Well	PS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	**29.95**	**25.29**	**21.99**
194888CJ	Mean Well	PD-65A	+5V@0.4-7A;+12V@0.2-3.2A	61.1W	90-264@47-440	50	UL/CUL/TUV/CE	**34.95**	**26.39**	**23.09**
194896CJ	Mean Well	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	50	UL/CUL/TUV/CE	**34.95**	**26.39**	**23.09**
216733CJ	Mean Well	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A; -12V@0-0.5A	63.5W	90-264@47-440	50	UL/CUL/TUV/CE	**36.95**	**28.59**	**25.29**
216725CJ	Mean Well	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	**36.95**	**28.59**	**25.29**
394222CJ	Mean Well	PT-6503	+3.3V@0-7A; +5V@0.2-10A; +12V@0-1.2A	61.8W	90-264@47-63	50	UL/CUL/TUV/CE	**51.35**	**48.45**	**45.99**
218595CJ	Artesyn	NLP65-9612	+12V@0-5.4A	64.8W	85-264@47-63	120	UL/CUL/CSA/VDE/CE	**61.49**	**55.90**	**50.82**
218616CJ	Artesyn	NLP65-9608	+5V@0-7.5A; +12V@0-2.5A; -12V@0-0.65A	75.3W	85-264@47-63	50	UL/CUL/CSA/VDE/CE	**61.45**	**55.87**	**50.79**

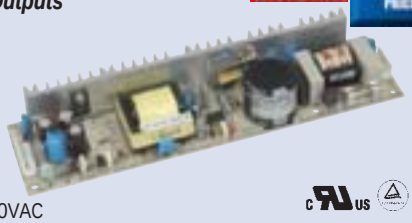
Other Versions Available: Call 800-831-4242

* Primary Output

Color Code Legend: New | Sale | Lower$ | QtySave

75-Watt Open Frame

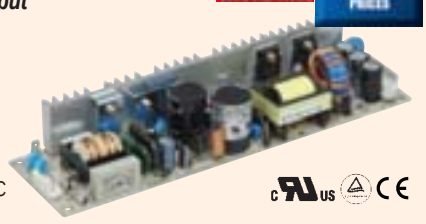
LPS-75 Series: Single Outputs



- 100% full-load burn-in
- Universal AC input
- Built-in remote ON/OFF
- Line regulation: ±1.0%
- Load regulation: (244718CJ) ±1.0%; (244726CJ) ±2.0%
- Voltage adjustment: 10%
- Inrush current: 24A @ 120VAC
- -20˚C to +60˚C working temperature (see www.Jameco.com)
- Two-year warranty • Weight: 0.5 lbs. • Size: 8.74"L x 2.16"W x 1.18"H

100-Watt Open Frame

LPS-100 Series: Single Output



- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- Load regulation: ±1.5%, except 173462CJ: ±0.5%
- Line regulation: ±0.5%
- Voltage adjustment: 10%
- Inrush current: 30A @ 120VAC
- Three-year warranty
- Size: 8.74"L x 2.44" x 1.25"W • Weight: 0.8 lbs.
- -10˚C to +60˚C working temperature (see www.Jameco.com)

100-Watt Open Frame with Power Factor Correction

LPP-100 Series: Single Output



- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- 4.4 watts/in³ maximum
- Load regulation: ±0.5%
- Line regulation: ±0.5%
- Isolation voltage: 3000VAC
- Inrush current: 40A @ 120VAC
- Voltage adjustment: 10%
- Leakage current: 2.0mA @ 240V
- Three-year warranty • Weight: 0.8 lbs. • Size: 8.75"L x 2.44"W x 1.25"H
- Mounting holes: 8.34"L x 2.04"W x 0.13"Dia.
- Mating connectors: P/Ns 215950CJ & 215976CJ, pg 113
- -10˚C to +60˚C working temperature (see www.Jameco.com)

110-Watt Open Frame with Power Factor Correction

NLP110 Series: Single & Triple Outputs



- 100% full-load burn-in
- Universal AC input
- 6 watts/in³ maximum
- Load regulation: ±2.0%
- Line regulation: ±2.0%
- Inrush current: 18A @ 120VAC
- Isolation voltage: 3000VAC
- Leakage current: 0.45mA @ 240V
- Voltage adjustment: 3%
- 110W with 20 CFM of air
- Two-year warranty • Weight: 0.6 lbs.
- Size: 6.5"L x 3.0"W x 1.26"H • Mounting holes: 6.05"L x 2.55"W
- Mating connectors: P/Ns 104432CJ & 2 ea. 104731CJ, pg 113
- 0˚C to +70˚C working temp. (see www.Jameco.com)

Enclosed Power Supplies on pages 166-173.

For Complete Specifications visit www.Jameco.com.

SALE

Call for LOWER PRICES on Larger Quantities

Jameco Part No.	Manufacturer	Manufacturer Product Number	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
244718CJ	Mean Well	LPS-75-12	+12V@0-6.8A	74.4W	90-264@47-63	100	UL/CUL/TUV/CE	$34.95	$33.20	$31.54
244726CJ	Mean Well	LPS-75-24	+24V@0-3.5A	76.8W	90-264@47-63	120	UL/CUL/TUV/CE	34.95	29.71	22.28
173471CJ	Mean Well	LPS-100-12	+12V@0-8.4A	100.8W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
374344CJ	Mean Well	LPS-100-13.5	+13.5V@0-7.5A	101.3W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
173462CJ	Mean Well	LPS-100-24	+24V@0-4.2A	100.8W	88-264@47-63	150	UL/CUL/TUV/CE	52.95	48.39	42.89
216709CJ	Mean Well	LPS-100-48	+48V@0-2.1A	100.8W	88-264@47-63	200	UL/CUL/TUV/CE	52.95	45.01	33.76
216688CJ	Mean Well	LPP-100-12	+12V@0-8.5A	102.0W	85-264@47-63	100	UL/CUL/TUV/CE	57.39	51.65	46.49
216670CJ	Mean Well	LPP-100-15	+15V@0-6.7A	100.5W	85-264@47-63	100	UL/CUL/TUV/CE	38.29	34.78	31.62
204610CJ	Mean Well	LPP-100-24	+24V@0-4.2A	100.8W	85-264@47-63	150	UL/CUL/TUV/CE	64.95	55.21	41.41
216653CJ	Mean Well	LPP-100-48 ✪	+48V@0-2.1A	100.8W	85-264@47-63	250	UL/CUL/TUV/CE	39.39	35.83	32.57
218915CJ	Artesyn	NLP110-9605	+5V@0.5-15A	75.0W	90-264@47-63	50	UL/CUL/CSA/VDE	59.49	54.11	49.19
218923CJ	Artesyn	NLP110-9612	+12V@0.3-6.4A	76.8W	90-264@47-63	120	UL/CUL/CSA/VDE	70.15	63.76	57.97
218931CJ	Artesyn	NLP110-9624	+24V@0.2-3.2A	76.8W	90-264@47-63	240	UL/CUL/CSA/VDE	69.99	64.51	58.65
218940CJ	Artesyn	NLP110-9693	+3.3V@0.2-13A;+5V@0.5-13A; +12V@0-0.65A	110.0W	90-264@47-63	50	UL/CUL/CSA/VDE	69.99	64.51	58.65
218958CJ	Artesyn	NLP110-9608	+5V@0.2-13A; +12V@0.2-6.5A; -12V@0-0.65A	110.0W	90-264@47-63	120	UL/CUL/CSA/VDE	87.89	79.88	72.62

Other Versions Available: Call 800-831-4242

* Primary Output ✪ Blue Part No. = Limited Quantity Available

Special Offers at Great Savings – 90-Day Warranty

Quantity SAVE

Jameco Part No.	Mfr.	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes Inches (LxWxDia.)	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
169068CJ	Autec	UPS65-1051	+5V@0.2-13A	65.0W	115/230@50-60	6.0x3.5x1.5	4.8x3.2x0.16	50	1.0	0.5	UL/CSA/VDE	$4.89	$4.16	$3.12
237024CJ	Lite-On	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	—	1200	10.0	1.0	UL/CUL/TUV/CE	19.95	16.96	12.72
203326CJ	EOS	VLT100-1004†	+48V@0.2-2.1A	100.0W	100-240@50-60	5.0x3.0x1.0	4.6x2.6x0.16	480	3.0	0.3	UL/CUL/VDE/CE	27.95	23.75	17.85
171731CJ	Delta	DPS-60MPB	+3.3V@0.8-8A; +5V@1-9A;	65.0W	90-270@47-63	5.8x3.3x1.4	—	50	2.0	2.0	UL/CUL/TUV	6.95	5.89	4.45
196824CJ	Encad	U006612010	+5.2V@3A; +24V@2A	65.0W	90-250@50-60	6.3x3.9x1.5	—	—	—	—	UL/CUL/TUV	15.95	13.56	10.17
235088CJ	Artesyn Power	NLP65-7629	+5V@0-7A; +12V@0-2.5A +12V@0.8A	65.0W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/CE	28.35	25.75	23.45
226211CJ	Phihong	PSA-60-302	+5V@6A; +12V@1.2A; -12V@1.2A	60.0W	100-240@50-60	5.0x3.0x1.6	4.5x2.5x0.15	50	2.0	2.0	UL/CSA/VDE	29.95	25.46	19.09
215706CJ	Mean Well	PT-65D	+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	5.0x3.0x1.5	4.6x2.6x0.15	50	2.0	1.0	UL/CUL/TUV/CE	24.95	22.45	20.19
229850CJ	IPD Power	SRW-65-3003	+5V@5A; +15V@3.5A; -15V@1A	65.0W	85-264@47-63	6.0x4.0x1.1	5.7x3.5x0.15	50	1.0	—	UL/CUL/TUV/CE	22.95	19.51	14.63
202876CJ	Power-One	MAP80-4003	+5V@14A; +15V@3.5A; -5V@1A; -15V@1A	80.0W	100/230@47-63	7.2x4.3x1.8	6.7x3.2x0.17	50	1.0	0.2	UL/CSA/TUV/CE	19.95	16.96	16.54

* Primary Output † Power Factor Correction

108-Watt Open Frame

NFS110-76: Single Output

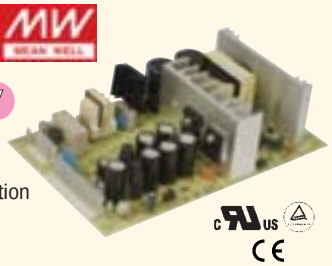


- 100% full-load burn-in
- 2.8 watts/in³ maximum
- Size: 7.0"L x 4.25"W x 1.8"H
- Mating connectors: P/Ns 104723CJ, 104766CJ & 104432CJ, pg 113
- Universal AC input
- Load regulation: ±2.0%
- Weight: 1.3 lbs.
- 108W with 20 CFM of air
- Line regulation: ±0.1%
- Voltage adjustment: 3%
- Mounting holes: 6.6"L x 3.75"W x 0.16"Dia.
- 0˚C to +70˚C working temp. (see www.Jameco.com)
- Two-year warranty

110-Watt Open Frame

PD-110B: Dual Output

NEW



- 100% full-load burn-in
- Universal AC input
- Cooling by free air convection
- Load and line regulation: ±1.0%
- Ripple and noise: 100mVp-p
- Short circuit/overload/over-voltage protection
- Working temperature: -10˚C to +50˚C (see www.Jameco.com for specifications)
- Size: 7.0"L x 4.3"W x 1.8"H

125-Watt Open Frame with Power Factor Correction



- 100% full-load burn-in
- Line regulation: ±0.5%
- Universal AC input
- Size: 5.0"L x 2.4"W x 1.4"H

PPS-125 Series: Single Output

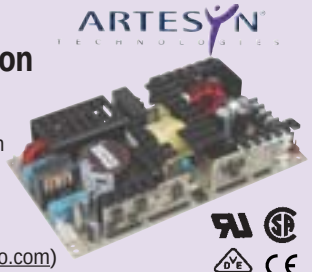
- Load regulation: ±1.0%
- -40˚ to +85˚C working temp. (see www.Jameco.com)

PPT-125 Series: Triple Output

- Load regulation: ±3.0%
- -20˚ to +60˚C working temperature (see www.Jameco.com)

150-Watt Open Frame with Power Factor Correction

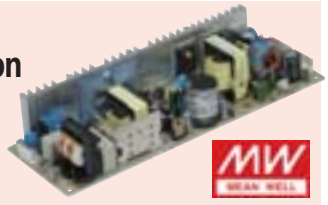
NLP150 Series: Single & Quad Output



- Parallel operation (current sharing)
- Universal AC input
- 100% full-load burn-in
- Line regulation: ±2.0%
- Load regulation: ±2.0%
- Mating connectors: P/N 104432CJ, pg 113 & 103587CJ, pg 130
- 0˚ to +70˚C working temp. (see www.Jameco.com)
- Size: 6.8"L x 3.8"W x 1.26"H
- Two-year warranty

150-Watt Open Frame with Power Factor Correction

LPP-150 Series: Single Output



- 100% full-load burn-in
- Voltage adj.: 10%
- Line regulation: ±0.5%
- Auto-switch AC input
- Load regulation: 213680CJ, 375064CJ & 392770CJ: ±1.0%; 213671CJ, 216645CJ & 392788CJ: ±0.5%
- Mating connectors: P/N 215950CJ & 215968CJ, pg 113
- -10˚C to +60˚C working temp. (see www.Jameco.com)
- Size: 8.74"L x 2.95"W x 1.61"H
- Three-year warranty

Enclosed Power Supplies on pages 166-173.

For Complete Specifications visit www.Jameco.com.

SALE

Other Versions Available: Call 800-831-4242

Jameco Part No.	Manufacturer	Manufacturer Product Number	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
218982CJ	Artesyn	NFS110-7612	+12V@0-9A	108.0W	85-264@47-440	120	UL/CUL/CSA/VDE/CE	**$88.79**	**$80.68**	**$73.35**
375056CJ	Mean Well	PD-110B	+5V@0.5-5A; +24V@0.5-3.5A	109.0W	100-264@47-63	100	UL/CUL/TUV/CE	**62.69**	**58.90**	**55.96**
374088CJ	Mean Well	PPS-125-12	+12V@0-10.5A NEW	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	**93.99**	**79.84**	**74.45**
374096CJ	Mean Well	PPS-125-15	+15V@0-8.4A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	**93.99**	**79.84**	**74.45**
301428CJ	Mean Well	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	150	UL/CUL/TUV/CE	**93.99**	**79.84**	**74.45**
301452CJ	Mean Well	PPS-125-27	+27V@0-4.6A	124.2W	90-264@47-63	150	UL/CUL/TUV/CE	**93.99**	**79.84**	**74.45**
301479CJ	Mean Well	PPS-125-48	+48V@0-2.6A	124.8W	90-264@47-63	250	UL/CUL/TUV/CE	**93.99**	**79.84**	**74.45**
301487CJ	Mean Well	PPT-125B	+5V@1-14.4A; +12V@.3-3.8A; -12V@.05-.63A	124.5W	90-264@47-63	100	UL/CUL/TUV/CE	**103.55**	**79.86**	**74.45**
301495CJ	Mean Well	PPT-125C	+5V@1-13.8A; +15V@.25-3.1A; -15V@.05-.63A	125.1W	90-264@47-63	100	UL/CUL/TUV/CE	**103.55**	**79.86**	**74.45**
218991CJ	Artesyn	NLP150L-96S3	+3.3V@1-22A	72.6W	90-264@47-63	50	UL/CSA/VDE/CE	**73.99**	**67.22**	**61.11**
219011CJ	Artesyn	NLP150L-96S5	+5.1V@1-22A	112.2W	90-264@47-63	50	UL/CSA/VDE/CE	**73.95**	**67.22**	**61.11**
219002CJ	Artesyn	NLP150L-96S8	+24V@0.15-4.6A	110.4W	90-264@47-63	240	UL/CSA/VDE/CE	**81.75**	**74.28**	**67.53**
219029CJ	Artesyn	NLP150L-96Q5366	+3.3V@0.5-10A; +5.1V@1.5-20A; +12V@0-2A; +12V@0-0.65A	120.0W	90-264@47-63	50	UL/CSA/VDE/CE	**73.95**	**67.22**	**61.11**
213680CJ	Mean Well	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	**68.45**	**64.60**	**61.37**
392770CJ	Mean Well	LPP-150-13.5	+13.5V@0-11.2A	151.2W	85-264@47-63	100	UL/CUL/TUV/CE	**69.95**	**53.89**	**47.29**
375064CJ	Mean Well	LPP-150-15	+15V@0-10.0A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	**68.45**	**64.60**	**61.37**
213671CJ	Mean Well	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	150	UL/CUL/TUV/CE	**68.45**	**64.60**	**61.37**
392788CJ	Mean Well	LPP-150-27	+27V@0-5.6A	151.2W	85-264@47-63	150	UL/CUL/TUV/CE	**69.95**	**53.89**	**47.29**
216645CJ	Mean Well	LPP-150-48	+48V@0-3.2A	153.6W	85-264@47-63	250	UL/CUL/TUV/CE	**68.45**	**64.60**	**61.37**

* Primary Output

Special Offers at Great Savings – 90-Day Warranty

Quantity SAVE

Jameco Part No.	Mfr.	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes Inches (LxWxDia.)	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
354925CJ	Phihong	PSF151-240C	+24VDC@6A	150.0W	90-264@47-63	8.0x4.2x1.5	—	240	3.0	0.5	UL/CUL/TUV/CE	**$39.95**	**$35.95**	**$32.36**
196795CJ	Cherokee	QP2A2-1A-A	+5V@40A; +12V@2.5A	230.0W	115/230@50-60	10.0x4.3x2.5	7.5x3.0x0.15	50	0.25	0.25	TUV	**14.95**	**12.71**	**9.53**
220193CJ	Cherokee	MQT154A1†	+3.3V@8A; +5V@26A; +12V@6A; -12V@1A	150.0W	100-240@47-63	8.0x4.3x1.5	6.4x2.5x0.13	—	—	—	UL/CSA	**28.95**	**23.19**	**17.39**
211297CJ	Power-One	MAP110-4300 †	+3.3V@15A; +5V@8A; +12V@1A; -12V@1A	110.0W	85-264@47-63	7.0x4.3x2.0	6.5x2.8x0.17	30	0.7	0.3	UL/CSA/TUV/CE	**9.95**	**8.46**	**6.92**
210905CJ	Lambda	WA305-00-03	+5V@50A; +12V@10A; +24V@4A; -5.2V@4A; -12V@4A	300.0W	85-264@45-440	11.9x5.0x1.8	8.1x2.5x0.16	50	1.0	0.2	UL/CSA/CE	**49.95**	**42.46**	**31.84**
196461CJ	TODD ♣	MAX3541205AC	+5V@50A; +12V@12A; -5V@2A; -12V@4A	350.0W	115/230@50-60	9.0x5.0x2.5	6.5x3.9x0.08	50	1.0	1.0	TUV	**47.95**	**40.79**	**30.59**

♣ Pull = Extra Savings * Primary Output † 8" power cable included

Color Code Legend: New Sale Lower$ QtySave

25-Watt Enclosed

RS-25 Series: Single Output



- New smaller design: 3.0" x 2" x 1.1"
- 3.66 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/ over-voltage protection
- 105˚C output capacitor
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103587CJ, pg 130
- Three-year warranty

25-Watt Enclosed

S-25 Series: Single Output



- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- No minimum load required
- 1.2 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: 103587CJ, pg 130
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222121CJ, 222156CJ, 222172CJ & 222164CJ; see www.Jameco.com for specifications
- Two-year warranty

35-Watt Enclosed

RS-35 & RD-35 Series: Single & Dual Output



- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/ over-voltage protection
- 105˚C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103587CJ, pg 130
- Three-year warranty

40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output



- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- 1.6 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103587CJ, pg 130
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222121CJ, 222156CJ & 222172CJ (see www.Jameco.com)
- Two-year warranty

Power

Open-Frame Power Supplies on pages 160-165.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
323281CJ	Mean Well	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**$27.55**	**$23.75**	**$22.59**
323299CJ	Mean Well	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**27.55**	**23.75**	**22.59**
323301CJ	Mean Well	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**27.55**	**23.75**	**22.59**
323310CJ	Mean Well	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**27.55**	**23.75**	**22.59**
123246CJ	Mean Well	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
123254CJ	Mean Well	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
123262CJ	Mean Well	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
123271CJ	Mean Well	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
323328CJ	Mean Well	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323336CJ	Mean Well	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323344CJ	Mean Well	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323352CJ	Mean Well	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323361CJ	Mean Well	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**37.05**	**32.35**	**30.75**
323379CJ	Mean Well	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**37.05**	**32.35**	**30.75**
123289CJ	Mean Well	S-40-5	+5V@0-8A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
123297CJ	Mean Well	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
202139CJ	Mean Well	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
123318CJ	Mean Well	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
201988CJ	Mean Well	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	**49.95**	**42.46**	**31.84**
201996CJ	Mean Well	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	**49.95**	**42.10**	**37.90**
202008CJ	Mean Well	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	**49.95**	**42.10**	**37.90**

Other Versions Available: Call 800-831-4242

* Primary Output

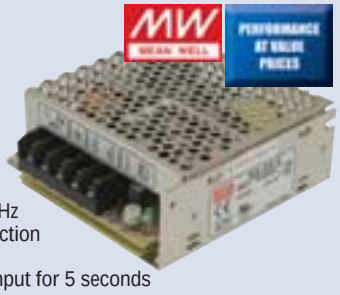


Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series: Single, Dual, Triple & Quad Output



- New smaller design: 3.9" x 3.8" x 1.4"
- 2.4 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105˚C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103587CJ, pg 130 • Three-year warranty

60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series: Single, Dual, Triple & Quad Outputs



- 100% full-load burn-in
- 1.7 watts/in³ maximum
- Voltage adjustment: 10%
- Universal AC input: 88-264VAC @ 47-63Hz
- Mating connector: P/N 103587CJ, pg 130
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222130CJ, 222156CJ & 222172CJ (see www.Jameco.com) • Two-year warranty

65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series: Dual, Triple & Quad Outputs



- New smaller design: 5.1" x 3.9" x 1.5"
- 2.2 watts/in³ power density
- 100% full-load burn-in
- 105˚C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- Cooling by free air convection
- High operating temperature up to 70˚C
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CJ, pg 130 • Three-year warranty

75-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output



- New smaller design: 5.1" x 3.9" x 1.5"
- 2.5 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105˚C output capacitor
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection • High operating temperature up to 70˚C
- Mating connector: 103587CJ, pg 130 • Three-year warranty

Open-Frame Power Supplies on pages 160-165.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
323387CJ	Mean Well	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**$37.05**	**$31.35**	**$29.79**
323395CJ	Mean Well	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**37.05**	**31.35**	**29.79**
323408CJ	Mean Well	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**37.05**	**31.35**	**29.79**
323416CJ	Mean Well	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**37.05**	**31.35**	**29.79**
323424CJ	Mean Well	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**39.95**	**34.25**	**32.55**
323432CJ	Mean Well	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**39.95**	**34.25**	**32.55**
323441CJ	Mean Well	RT-50A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0.5-5A	46.5W	80	1	0.5	UL/CUL/TUV/CE/CB	**41.85**	**36.15**	**34.35**
323459CJ	Mean Well	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**41.85**	**36.15**	**34.35**
323467CJ	Mean Well	RT-50C	+5V@0-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**41.85**	**36.15**	**34.35**
323475CJ	Mean Well	RT-50D	+5V@0.5-5A; +12V0.1-1A; +24V@0.2-1.5A	51.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**41.85**	**36.15**	**34.35**
323483CJ	Mean Well	RQ-50B	+5V@0.5-6A; +12V@0.2-1.5A; -5V@0-1A; -12V@0-1A	45.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**43.75**	**37.05**	**35.25**
323491CJ	Mean Well	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**43.75**	**37.05**	**35.25**
123326CJ	Mean Well	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	**53.95**	**48.55**	**42.99**
123334CJ	Mean Well	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**53.95**	**41.50**	**37.30**
123342CJ	Mean Well	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	**53.95**	**41.50**	**37.30**
123351CJ	Mean Well	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	**53.95**	**41.50**	**37.30**
123457CJ	Mean Well	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	**54.95**	**44.10**	**39.70**
123465CJ	Mean Well	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	**54.95**	**44.10**	**39.70**
123473CJ	Mean Well	T-60A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0-0.5A	57.5W	100	1	0.5	UL/CUL/TUV/CE/CB	**52.95**	**42.94**	**38.65**
123481CJ	Mean Well	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	**57.95**	**47.00**	**42.30**
123490CJ	Mean Well	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	**57.95**	**47.00**	**42.30**
147045CJ	Mean Well	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/CE/CB	**59.95**	**49.90**	**44.90**
323504CJ	Mean Well	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**43.75**	**37.05**	**35.25**
323512CJ	Mean Well	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**43.75**	**37.05**	**35.25**
323521CJ	Mean Well	RT-65A	+5V@0.5-8A; +12V@0.2-3.5A; -5V@0-1A	66.1W	80	1	0.5	UL/CUL/TUV/CE/CB	**47.55**	**39.95**	**37.95**
323539CJ	Mean Well	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	**47.55**	**39.95**	**37.95**
323547CJ	Mean Well	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	**47.55**	**39.95**	**37.95**
323555CJ	Mean Well	RT-65D	+5V@0.5-8A; +12V@0.1-1A; +24V@0.2-2A	68.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**47.55**	**39.95**	**37.95**
323563CJ	Mean Well	RQ-65B	+5V@0.5-8A; +12v@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**48.45**	**40.85**	**38.85**
323571CJ	Mean Well	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**48.45**	**40.85**	**38.85**
323580CJ	Mean Well	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**41.85**	**35.15**	**33.39**
323598CJ	Mean Well	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**41.85**	**35.15**	**33.39**
323601CJ	Mean Well	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**41.85**	**35.15**	**33.39**
323619CJ	Mean Well	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**41.85**	**35.15**	**33.39**

Other Versions Available: Call 800-831-4242

* Primary Output

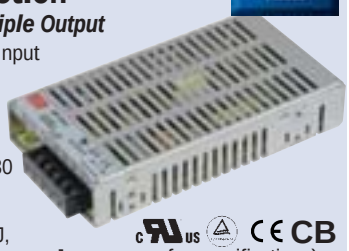
Color Code Legend: New Sale Lower$ QtySave

75 to 100-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

75-Watt Enclosed with Power Factor Correction

SP-75 & TP-75B Series: Single & Triple Output



- 100% full-load burn-in • Universal AC input
- 2.1 watts/in³ max.
- Voltage adjustment: 10%
- Input: 85-264VAC @ 47-63Hz
- No minimum load required
- Mating connector: P/N 103587CJ, pg 130
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222148CJ, 222156CJ, 222164CJ & 222172CJ; (see www.Jameco.com for specifications)
- Three-year warranty

85-Watt Enclosed with Power Factor Correction

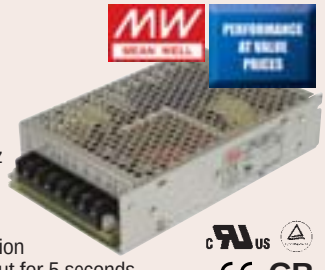
RD-85, RT-85 & RQ-85 Series: Dual, Triple & Quad Output



- New smaller design: 6.3" x 3.8" x 1.5"
- 2.4 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105˚C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection • High operating temperature up to 70˚C
- Mating connector: 103587CJ, pg 130 • Three-year warranty

100-Watt Enclosed

RS-100 Series: Single Output



- New smaller design: 7.8" x 3.9" x 1.5"
- 2.7 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- 105˚C output capacitor
- Cooling by free air convection
- High operating temperature up to 70˚C
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CJ, pg 130 • Three-year warranty

100-Watt Enclosed

S-100F Series: Single Output



- 100% full-load burn-in • 2.3 watts/in³ max.
- Voltage adjustment: 10%
- No minimum load required
- Universal AC input: 88-132/176-264VAC @ 47-63Hz
- Mating connector: P/N 103587CJ, pg 130
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222130CJ, 222156CJ and 222172CJ (see www.Jameco.com for specifications) • Two-year warranty

100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs



- 100% full-load burn-in • Universal AC input: 86-264VAC@47-63Hz
- 2.3 watts/in³ maximum • Voltage adjustment: 10%
- Mating connector: P/N 103587CJ, pg 130 • Three-year warranty
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware use P/Ns 222130CJ, 222164CJ, 222156CJ, 222172CJ & 222181CJ (see www.Jameco.com for specifications)

Power

Open-Frame Power Supplies on pages 160-165.

Call for LOWER PRICES on Larger Quantities

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
194829CJ	Mean Well	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	$59.95	$53.96	$48.56
194837CJ	Mean Well	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
194845CJ	Mean Well	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
194853CJ	Mean Well	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
216805CJ	Mean Well	SP-75-48	+48V@0-1.6A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	64.95	55.21	41.41
375048CJ	Mean Well	TP-75B	+5V@1.5-10A; +12V@0.2-4A; -12V@0-0.6A	75.8W	100	3	1	UL/CUL/TUV/CE/CB	78.85	74.10	70.40
323627CJ	Mean Well	RD-85A	+5V@2-10A; +12V@0.3-5A	110.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323635CJ	Mean Well	RD-85B	+5V@2-10A; +24V@0.3-2.5A	110.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323643CJ	Mean Well	RT-85A	+5V@2-10A; +12V@0.3-4A; -5V@0-1A	84.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323651CJ	Mean Well	RT-85B	+5V@2-10A; +12V@0.3-4A; -12V@0-1A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323660CJ	Mean Well	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323678CJ	Mean Well	RT-85D	+5V@2-10A; +12V@0.1-1A; +24V@0.3-2.5A	90.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323686CJ	Mean Well	RQ-85B	+5v@2-10A; +12v@0.3-4A; -5V@0-1A; -12V@0-1A	80.7W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
323694CJ	Mean Well	RQ-85D	+5V@2-10A; +12v@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
323707CJ	Mean Well	RS-100-5	+5V@0-16A	80.0W	80	1	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323715CJ	Mean Well	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323723CJ	Mean Well	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323731CJ	Mean Well	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
201961CJ	Mean Well	S-100F-5	+5V@0-20A	100.0W	100	1	0.5	UL/TUV/CE/CB	66.95	56.91	42.68
374918CJ	Mean Well	S-100F-7.5	+7.5V@0-13.5A	101.0W	125	0.5	0.5	UL/CUL/TUV/CE/CB	66.95	49.90	44.90
123385CJ	Mean Well	S-100F-12	+12V@0-8.5A	102.0W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
212450CJ	Mean Well	S-100F-15	+15V@0-6.7A	100.5W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
201970CJ	Mean Well	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
216792CJ	Mean Well	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
194790CJ	Mean Well	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
194802CJ	Mean Well	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
212433CJ	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB	47.89	43.54	39.58
194811CJ	Mean Well	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	72.21	54.16
394169CJ	Mean Well	SP-100-27	+27V@0-3.8A	102.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
212425CJ	Mean Well	SP-100-48	+48V@0-2.1A	100.8W	250	0.5	0.1	UL/CUL/TUV/CE/CB	59.95	53.96	48.56
213778CJ	Mean Well	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB	$99.95 89.95	76.46	59.99

Other Versions Available: Call 800-831-4242

* Primary Output

120-Watt Enclosed

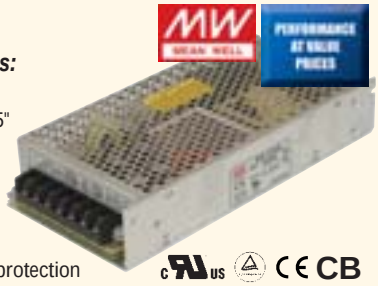
D-120, T-120 & Q-120 Series: Dual, Triple & Quad Outputs



- 100% full-load burn-in
- Mating connector: P/N 103587CJ, pg 130
- -10˚C to +60˚C working temperature (see www.Jameco.com for output derating)
- Mounting hardware: use P/Ns 222130CJ, 222156CJ and 222172CJ (see www.Jameco.com for specifications)
- Two-year warranty

125-Watt Enclosed

RD-125, RT-125 & RQ-125 Series: Dual, Triple & Quad Output



- New smaller design: 7.8" x 3.9" x 1.5"
- 2.7 watts/in³ power density
- 100% full-load burn-in
- 105˚C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- High operating temperature up to 70°C
- Cooling by free air convection
- Mating connector: 103587CJ, pg 130
- Three-year warranty

150-Watt Enclosed

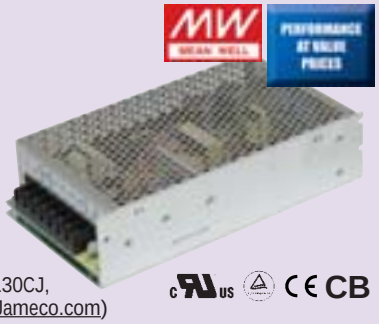
RS-150 Series: Single Output



- New smaller design: 7.8" x 3.9" x 1.5"
- 3.3 watts/in³ power density
- 100% full-load burn-in
- 105˚C output capacitor
- Cooling by free air convection
- High operating temperature up to 70°C
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CJ, pg 130
- Three-year warranty

150-Watt Enclosed

S-150 Series: Single Output



- 100% full-load burn-in
- No minimum load required
- Voltage adj.: 10%
- Mating connector: P/N 103587CJ, pg 130
- Input: 88-132/176-264 @ 47-63Hz
- -10˚ to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222130CJ, 222156CJ & 222172CJ (see www.Jameco.com)
- Two-year warranty

Open-Frame Power Supplies on pages 160-165.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
132409CJ	Mean Well	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	**$69.95**	**$58.29**	**$51.69**
132396CJ	Mean Well	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	**69.95**	**58.29**	**51.69**
301508CJ	Mean Well	T-120B	+5V@2-12A; +12V@0.5-5A; -12V@0.2-1A	121.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**74.95**	**61.04**	**53.89**
301516CJ	Mean Well	T-120C	+5V@2-12A; +15V@0.5-5A; -15V@0.2-1A	117.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**74.95**	**61.04**	**53.89**
132388CJ	Mean Well	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**79.95**	**67.96**	**50.97**
132370CJ	Mean Well	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**79.95**	**63.79**	**56.09**
323740CJ	Mean Well	RD-125A	+5V@2-15A; +12V@0.5-10A	130.9W	80	3	1	UL/CUL/TUV/CE/CB	**64.65**	**55.15**	**52.39**
323758CJ	Mean Well	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	**64.65**	**55.15**	**52.39**
323766CJ	Mean Well	RT-125A	+5V@2-15A; +12V@0.5-6A; -5V@0.1-1A	131.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**70.35**	**60.85**	**57.85**
323774CJ	Mean Well	RT-125B	+5V@2-15A; +12v@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**70.35**	**60.85**	**57.85**
323782CJ	Mean Well	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	**70.35**	**60.85**	**57.85**
323791CJ	Mean Well	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**70.35**	**60.85**	**57.85**
323803CJ	Mean Well	RQ-125B	+5V@2-12A; +12V@0.5-4.5A; -5V@0.1-1A; -12V@0.1-1A	120.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**72.25**	**62.75**	**59.65**
323811CJ	Mean Well	RQ-125D	+5V@2-12A; +12V@0.5-4A; +24V@0.1-2.5A; -12V@0-1A	124.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**72.25**	**62.75**	**59.65**
323820CJ	Mean Well	RS-150-5	+5V@0-26A	130.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**61.75**	**53.25**	**50.59**
323838CJ	Mean Well	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**61.75**	**53.25**	**50.59**
323846CJ	Mean Well	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**61.75**	**53.25**	**50.59**
323854CJ	Mean Well	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**61.75**	**53.25**	**50.59**
323862CJ	Mean Well	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	**61.75**	**53.25**	**50.59**
123393CJ	Mean Well	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	**64.79**	**58.30**	**52.50**
123414CJ	Mean Well	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	**64.79**	**58.30**	**52.50**
123422CJ	Mean Well	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	**64.79**	**58.30**	**52.50**
202024CJ	Mean Well	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	**64.79**	**58.30**	**52.50**
123431CJ	Mean Well	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	**64.79**	**58.30**	**52.50**
123449CJ	Mean Well	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	**69.95**	**58.30**	**52.50**
202032CJ	Mean Well	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	**64.79**	**55.07**	**41.30**
167345CJ	Mean Well	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	**64.79**	**58.30**	**52.50**

Other Versions Available: Call 800-831-4242

* Primary Output

Special Offers at Great Savings – 90-Day Warranty

SALE

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
323871CJ	Volgen	SP100U-24S	+24V@4.4A	105.6W	150	0.4	0.2	—	**$49.95**	**$44.96**	**$40.46**
205858CJ	Volgen	JRK-115B	+5V@4.5A; +15V@3.5A; +24V@0.4A; -5V@1.6A; -15V@1.5A	75.0W	100	0.8	0.4	—	**17.99**	**16.37**	**14.88**

* Primary Output

150-Watt Enclosed with Power Factor Correction

SP-150, TP-150 & QP-150 Series: Single, Triple & Quad Outputs



- 100% full-load burn-in
- Universal AC input
- Mating connector: P/N 103587CJ, pg 130
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222130CJ, 222156CJ, 222164CJ, 222181CJ & 222172CJ (see www.Jameco.com for specifications)
- Three-year warranty

200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output



- 100% full-load burn-in
- Universal AC input
- No minimum load required
- 3.3 watts/in³ maximum
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz
- Voltage adjustment: 10%
- Mating connector: P/N 103587CJ, pg 130
- -10˚ to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware use P/Ns 222130CJ, 222156CJ, 222164CJ, 222181CJ & 222172CJ (see www.Jameco.com for specifications)
- Three-year warranty

200-Watt Enclosed with Power Factor Correction

QP-200 Series: Quad Output



- 100% full-load burn-in
- Universal AC input
- Remote sense
- 2.6 watts/in³ maximum
- Built-in fan cooling
- Mating connector: P/N 103587CJ, pg 130
- -10˚ to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware use P/Ns 222148CJ, 222156CJ, 222181CJ & 222172CJ (see www.Jameco.com for specifications) • Three-year warranty

240-Watt Enclosed

S-240 Series: Single Output



- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- 3.4 watts/in³ maximum
- Auto cooling fan
- Voltage adjustment: 10%
- Mating connector: P/N 103587CJ, pg 130
- Input: 88-132/176-264VAC @ 47-63Hz
- -10˚C to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware use P/Ns 222148CJ, 222156CJ & 222172CJ (see www.Jameco.com for specifications) • Two-year warranty

Open-Frame Power Supplies on pages 160-165.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

SALE

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
201902CJ	Mean Well	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB	$82.75	$70.34	$52.75
201911CJ	Mean Well	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	$82.75 74.95	63.71	54.03
173420CJ	Mean Well	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
394193CJ	Mean Well	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
173411CJ	Mean Well	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	91.21	85.70
173403CJ	Mean Well	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
201929CJ	Mean Well	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	$82.75 74.95	63.71	47.78
213858CJ	Mean Well	TP-150A	+5V@2-15A; +12V@0.4-6A; -5V@0-0.6A	150.0W	100	3	1	UL/CUL/TUV/CE/CB	93.25	83.89	75.50
213831CJ	Mean Well	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB	93.25	83.89	75.50
213647CJ	Mean Well	QP-150F	+5V@3-10A; +15V@0-3A; +24V@0.4-2A; -15V@0-0.6A	152.0W	120	2	1	UL/CUL/TUV/CE/CB	145.95	124.06	93.04
202041CJ	Mean Well	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB	102.95	85.79	74.79
194773CJ	Mean Well	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
212409CJ	Mean Well	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
202059CJ	Mean Well	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
194781CJ	Mean Well	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
202067CJ	Mean Well	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
213751CJ	Mean Well	QP-200D	+5V@3-15A; +12V@0-4A; +24V@0.4-3A; -12V@0-0.7A	204.9W	100	2	1	UL/CUL/TUV/CE/CB	156.95	127.99	112.99
202083CJ	Mean Well	S-240-5	+5V@0-40A	200.0W	150	1	0.5	UL/CUL/TUV/CE/CB	80.05	72.76	66.14
137648CJ	Mean Well	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
202075CJ	Mean Well	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	85.46	76.91
137656CJ	Mean Well	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
392833CJ	Mean Well	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	99.95	93.95	89.25
167337CJ	Mean Well	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB	109.95	98.95	89.09

Other Versions Available: Call 800-831-4242

* Primary Output

Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)	Load Reg. (±%)	Line Reg. (±%)	Certification	Pricing 1	Pricing 10	Pricing 25
199515CJ	Globtek	RT-3S150-24	24V@6.5A	156.0W	100	5	5	UL/CE	$59.95	$47.95	$35.95
371012CJ	Potrans	GL150W-24-NC	24V@6.5A	156.0W	150	—	—	UL/CUL/TUV/CE	56.95	45.55	34.15

300-Watt Enclosed with Power Factor Correction

PSP-300 Series: Single Output



- 100% full-load burn-in
- Universal AC input
- Forced air cooling by built-in DC fan
- Built-in active PFC function
- Built-in cooling fan ON-OFF
- Built-in remote ON-OFF control
- Built-in remote sense function
- With power good & fail signal output
- Short circuit/overload/over-voltage/ over-temperature protection
- Mating connector: P/N 103587CJ or 302877CJ, pg 130
- Input: 88-264VAC@47-63Hz/124-370VDC
- Working temperature: -10˚C to +50˚C (see www.Jameco.com for specifications)
- Three-year warranty

NEW

300 & 320-Watt Enclosed with Power Factor Correction

SP-300 & SP-320 Series: Single Output



- 100% full-load burn-in
- Universal AC input
- No minimum load required
- Auto cooling fan
- Voltage adj.: 10%
- Input: 88-264VAC @ 47-63Hz
- Mating connector: P/N 103587CJ, pg 130
- Working temperature: SP-300: -10˚ to +60˚C; SP-320: -20˚ to 65˚ (see www.Jameco.com)
- Mounting hardware: use P/Ns 222156CJ, 222130CJ, 222181CJ & 222172CJ (see www.Jameco.com for specifications) • Three-year warranty

320-Watt Enclosed

S-320 Series: Single Output



- 100% full-load burn-in
- Auto cooling fan
- No minimum load required
- 4.1 watts/in³ maximum
- Voltage adjustment: 10%
- Input: 88-132/176-264VAC @ 47-63Hz
- Mating connector: P/N 103587CJ, pg 130
- -10˚ to +60˚C working temperature (see www.Jameco.com)
- Mounting hardware: use P/Ns 222156CJ, 222148CJ, 222181CJ & 222172CJ (see www.Jameco.com) • Two-year warranty

480-Watt Enclosed with Power Factor Correction

SP-480 Series: Single Output



- Universal AC input
- -20˚C to +60˚C working temperature (see www.Jameco.com)
- Short circuit/overload/over-voltage/ over-temperature protection
- Built-in remote ON-OFF control
- Built-in remote sense function
- High power density: 5.18 watts/in³ maximum
- Active AC surge current limiting
- Inrush current: 25A@115VAC
- Leakage current: <2mA @ 240VAC
- Size: 10.9"L x 5.0"W x 1.7"H • Three-year warranty

Power

Open-Frame Power Supplies on pages 160-165.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

Lower $$$

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
374168CJ	Mean Well	PSP-300-12	+12V@0-25A	300.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	$178.65	$169.10	$160.65
374176CJ	Mean Well	PSP-300-13.5	+13.5V@0-22A	297.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374184CJ	Mean Well	PSP-300-24	+24V@0-12.5A	300.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374192CJ	Mean Well	PSP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374205CJ	Mean Well	PSP-300-48	+48V@0-6.5A	312.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
202091CJ	Mean Well	SP-300-5	+5V@0-50A at 230VAC; 0-40A at 115VAC	250.0W	150	1	0.5	UL/CUL/TUV/CE/CB	169.95	144.46	108.34
137390CJ	Mean Well	SP-300-12	+12V@0-24A at 230VAC; 0-19.2A at 115VAC	288.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
212396CJ	Mean Well	SP-300-13.5	+13.5V@0-21A at 230VAC; 0-16.8A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	154.66	115.99
202104CJ	Mean Well	SP-300-15	+15V@0-19A at 230VAC; 0-15.2A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
137402CJ	Mean Well	SP-300-24	+24V@0-12.5A at 230VAC; 0-10A at 115VAC	300.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
394206CJ	Mean Well	SP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
161980CJ	Mean Well	SP-300-48	+48V@0-6.25A at 230VAC; 0-5A at 115VAC	300.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	154.66	115.99
244734CJ	Mean Well	SP-320-5	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
394214CJ	Mean Well	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB	146.95	126.95	118.99
244742CJ	Mean Well	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
244751CJ	Mean Well	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
244769CJ	Mean Well	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
216776CJ	Mean Well	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	124.95	106.21	79.66
207212CJ	Mean Well	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
207204CJ	Mean Well	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
374993CJ	Mean Well	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	146.95	126.95	118.99
196656CJ	Mean Well	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
207191CJ	Mean Well	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	124.95	112.80	101.50
301372CJ	Mean Well	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
301321CJ	Mean Well	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
301401CJ	Mean Well	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33

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Other Versions Available: Call 800-831-4242

* Primary Output

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Color Code Legend: New Sale Lower$ QtySave

500-Watt Enclosed with Power Factor Correction

SP-500 Series: Single Output



- 100% full-load burn-in
- Universal AC input
- 3.6 watts/in³ maximum
- Remote control
- Auto cooling fan
- Voltage adjustment: 10%
- No minimum load required
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103587CJ pg 130
- Mounting hardware:use P/Ns 222199CJ, 222156CJ & 222172CJ (see www.Jameco.com)
- -10˚ to +60˚C working temp.(see www.Jameco.com)
- Three-year warranty

600-Watt Enclosed

SE-600 Series: Single Output



- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- -20˚ to +60˚C working temperature (see www.Jameco.com)
- Size: 9.7"L x 5.0"W x 2.5"H
- Two-year warranty

600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output



- 100% full-load burn-in
- Auto cooling fan
- No minimum load required
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz
- Parallel operation (current sharing)
- Remote sense and control
- Mating connector: P/N 103587CJ, pg 130
- -10˚ to +65˚C working temperature; (+50˚ to -65˚C @ 50% load) (see www.Jameco.com)
- Mounting hardware: use P/Ns 222156CJ & 222172CJ (see www.Jameco.com for specifications)
- Two-year warranty

600-Watt Enclosed with Power Factor Correction

SCP-600 Series: Single Output

NEW



- Input: 180-260VAC @ 47-63Hz/260-370VDC
- PFC: >0.98 @ 230VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- Built-in remote sense function, and remote ON-OFF function
- Power good signal
- With parallel function (N +1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Forced air cooling by built-in DC fan
- Mating connector: P/N 103587CJ or 302877CJ, pg 130
- Working temperature: -20˚C to +65˚C (see www.Jameco.com for specifications)
- Three-year warranty

Power

Open-Frame Power Supplies on pages 160-165.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
190692CJ	Mean Well	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	$249.95	$216.10	$194.50
212388CJ	Mean Well	SP-500-13.5	+13.5V@0-36A at 230VAC; 0-30.6A at 115VAC	486.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	212.46	159.34
213604CJ	Mean Well	SP-500-15	+15V@0-32A at 230VAC; 0-27.2A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	239.95	203.96	152.97
147053CJ	Mean Well	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
190705CJ	Mean Well	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	212.46	159.34
161795CJ	Mean Well	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
374002CJ	Mean Well	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	173.95	156.59	140.89
374011CJ	Mean Well	SE-600-12	+12V@0-50A	600.0W	150	0.5	0.5	UL/CUL	173.95	156.59	140.89
291522CJ	Mean Well	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295902CJ	Mean Well	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295911CJ	Mean Well	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295929CJ	Mean Well	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
220249CJ	Mean Well	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	273.95	213.99	197.99
220257CJ	Mean Well	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374045CJ	Mean Well	SCN-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99
220265CJ	Mean Well	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374061CJ	Mean Well	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99
388631CJ	Mean Well	SCP-600-12	+12V@0-50A	600.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
388640CJ	Mean Well	SCP-600-15	+15V@0-40A	600.0W	140	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374264CJ	Mean Well	SCP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374301CJ	Mean Well	SCP-600-48	+48V@0-12A	576.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31

Other Versions Available: Call 800-831-4242

NEW

* Primary Output



www.Jameco.com

Our enhanced website offers more products. Find it quickly and order it easily!

500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output



- 100% full-load burn-in • Voltage adj.: 10%
- No minimum load required
- 3.6 watts/in³ maximum
- Remote sense and control
- Auto cooling fan
- Universal AC input: 90-264VAC @ 47-63Hz (PSP-500 and PSP-1000) 176-264VAC @ 47-63Hz (PSP-1500)
- Parallel operation (current sharing)
- Mating connector: P/N 103587CJ, pg 130
- -10˚ to +60˚C working temp. (see www.Jameco.com for output derating)
- Mounting hardware: use P/Ns 222156CJ & 222172CJ (see www.Jameco.com for specifications) • Three-year warranty

600-Watt Enclosed with Power Factor Correction

NEW

PSP-600 Series: Single Output



- Universal AC input
- Parallel function
- Built-in active PFC function
- Forced air cooling by built-in DC fan
- Built-in remote ON-OFF control, and remote sense function
- Current sharing up to 2400W (3 +1)
- Short circuit/overload/over-voltage/ over-temperature protection
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Mating connector: P/N 103587CJ or 302877CJ, pg 130
- Working temperature: -20˚C to +50˚C (see www.Jameco.com for specifications)
- Three-year warranty

750-Watt Enclosed with Power Factor Correction

SP-750 Series: Single Output

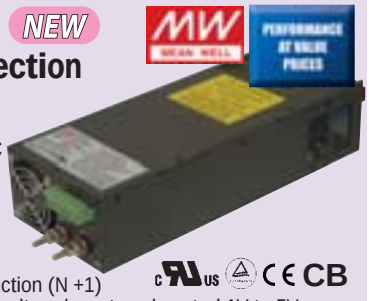


- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/ over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- High operating temperature up to 70˚C
- Cooling by built-in fan
- Built-in active PFC function, PF>0.95
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control
- Built-in remote sense function
- Mating connector: 103587CJ, pg 130
- High power density: 5.48W/in³
- Power-good and fail-signal outputs
- Three-year warranty

800-Watt Enclosed with Power Factor Correction

NEW

SCP-800 Series: Single Output



- Input: 180-260VAC @ 47-63Hz/ 260-370VDC • PFC: >0.98 @ 230VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- Forced air cooling by built-in DC fan
- Built-in remote sense function, and remote ON-OFF function
- Power good signal • With parallel function (N +1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Mating connector: P/N 103587CJ or 302877CJ, pg 130
- Working temperature: -20˚C to +65˚C (see www.Jameco.com for specifications)
- Three-year warranty

Open-Frame Power Supplies on pages 160-165.

For Complete Specifications visit www.Jameco.com.

Call for LOWER PRICES on Larger Quantities

Quantity SAVE

Jameco Part No.	Manufacturer	Manufacturer Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
190713CJ	Mean Well	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	$269.95	$232.09	$216.69
202121CJ	Mean Well	PSP-500-15	+15V@0-33A at 230VAC; 0-26.4A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	$269.95 249.95	212.46	159.34
190721CJ	Mean Well	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	242.96	218.66
190730CJ	Mean Well	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	229.46	172.09
190748CJ	Mean Well	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	229.46	172.09
374213CJ	Mean Well	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374221CJ	Mean Well	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374230CJ	Mean Well	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374256CJ	Mean Well	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374248CJ	Mean Well	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
319943CJ	Mean Well	SP-750-12	+12V@0-62.5A	750.0W	120	2	0.5	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
374029CJ	Mean Well	SP-750-15	+15V@0-50A	750.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
320047CJ	Mean Well	SP-750-24	+24V@0-31.3A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
374037CJ	Mean Well	SP-750-27	+27V@0-27.8A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
320055CJ	Mean Well	SP-750-48	+48V@0-15.7A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
388615CJ	Mean Well	SCP-800-12	+12V@0-66A	792.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
388623CJ	Mean Well	SCP-800-15	+15V@0-53A	795.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374310CJ	Mean Well	SCP-800-24	+24V@0-33A	792.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374336CJ	Mean Well	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
217373CJ	Mean Well	PSP-1000-5	+5V@0-145A at 230VAC; 0-123.3A at 115VAC	725.0W	100	2	0.5	UL/CUL/TUV/CE/CB	499.95	424.96	318.72
217365CJ	Mean Well	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
231642CJ	Mean Well	PSP-1000-13.5	+13.5V@0-67A at 230VAC; 0-57.8A at 115VAC	1000.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
231634CJ	Mean Well	PSP-1000-15	+15V@0-60A at 230VAC; 0-51A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217357CJ	Mean Well	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
231651CJ	Mean Well	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217349CJ	Mean Well	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
231669CJ	Mean Well	PSP-1500-5	+5V@0-217.5A	1087.5W	100	2	0.5	UL/CUL/TUV/CE/CB	786.95	668.91	501.68
373261CJ	Mean Well	PSP-1500-12	+12V@0-112.5A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231693CJ	Mean Well	PSP-1500-15	+15V@0-90.0A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	699.95	594.96	446.22
373923CJ	Mean Well	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231714CJ	Mean Well	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25
231722CJ	Mean Well	PSP-1500-48	+48V@0-28.5A	1368.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25

NEW

Other Versions Available: Call 800-831-4242

* Primary Output

Color Code Legend: New Sale Lower$ QtySave

UL-508

DIN-Rail Switching Power Supplies



373181CJ (Fig. 1)



192698CJ (Fig. 2)



212290CJ (Fig. 3)



212273CJ (Fig. 4)



221891CJ (Fig. 5)



252662CJ (Fig. 6)

- Low cost, high reliability
- Universal AC input range
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload, over-voltage protected
- 100% full-load burn-in test
- For DIN-Rail terminal blocks see page 129

NEW SALE

Part No.	Product No.	Fig.	Power (W)	Output Volts@Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
373173CJ	DR-30-5	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	$39.99	$35.99	$32.39
373181CJ	DR-30-12	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373190CJ	DR-30-15	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373202CJ	DR-30-24	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
212302CJ	DR-4505	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192698CJ	DR-4512	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
221874CJ	DR-4515	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192680CJ	DR-4524	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
373211CJ	DR-60-5	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373229CJ	DR-60-12	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373237CJ	DR-60-15	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373245CJ	DR-60-24	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
212290CJ	DR-7512	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212281CJ	DR-7524	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212273CJ	DR-12012	4	120	12VDC @ 10A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
212265CJ	DR-12024	4	120	24VDC @ 5A	88-132/176-264* @ 47-63	2.8A(115)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
221903CJ	DR-12048	4	120	48VDC @ 2.5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A (230V)	2.6 x 3.9 x 4.9	1.4	76.95	69.26	62.33
221891CJ	DRP-24024†	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A (115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
221882CJ	DRP-24048†	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
373122CJ	DRT-240-24	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
373114CJ	DRT-240-48	5	240	48VDC @ 5A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
252662CJ	DRP-48024†	6	480	24VDC @ 20.0A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
252654CJ	DRP-48048†	6	480	48VDC @ 10.0A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
295937CJ	DRP-480S-24†	6	480	24VDC @ 20.0A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
301305CJ	DRP-480S-48†	6	480	48VDC @ 10.0A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
372576CJ	DRT-480-24	6	480	24VDC @ 20A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
373106CJ	DRT-480-48	6	480	48VDC @ 10A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63

*Switch selectable † With Power Factor Correction

DIN Mounting Rail



DIN rail enables easy installation of components such as fuseable terminal blocks & power supplies configured for DIN mounting.

Part No.	Product No.	Description	Material	Type	Length	1	10	100
248735CJ	2094.0	Prepunched	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	$6.79	$5.45	$4.10

Linear AC-to-DC Power Supplies

13.8VDC Precision Regulated Power Supplies

- Output voltage: 13.8VDC
- Heavy duty 5'8" 3-prong power cord
- Short-circuit protection
- Input voltage: 115VAC @ 60Hz
- Illuminated rocker switch
- Fuse protected
- Output mating terminals: see page 131 for cigarette plugs & page 235 for banana terminal plugs

135845CJ Banana/ Cigarette



136581CJ Banana terminal



138667CJ Banana terminal (rear)



Part No.	Model No.	Power (W)	Output Current (A)	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
135845CJ	RPS1204	55.2	4	Banana terminals / cigarette plug	6.7 x 5.2 x 3.2	5.5	$29.95	$26.95	$23.95
136581CJ	RPS1207†	96.6	7	Banana terminals	8.7 x 5.7 x 3.6	8.5	59.95	53.95	48.95
138667CJ	38-381	138.0	10	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138675CJ	52-192012	276.0	20	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95

† P/N 136581CJ includes overheating protection

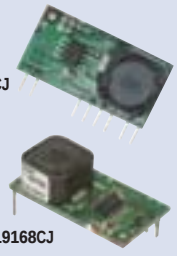
Committed to You

We're committed to providing you with the best service in the industry.

6 to 30-Amp Non-Isolated, Point-of-Load DC-to-DC Converters

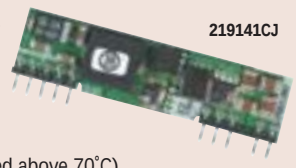
6-Amp SIL06C Series

- dI/dt: 10A/µs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- Ultra-wide trim range
- "Power good" signal
- Planar magnetics technology
- Protection: over-current & short-circuit
- Working temperature: 0˚ to +80˚C (derated above 50˚C)
- Very high MTBF
- Two-year warranty



10-Amp SIL10E Series

- dI/dt: 10A/µs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- 96% efficiency at 3.3V
- Highest power density: 107W/in³
- Planar magnetics technology
- Protection: thermal & short-circuit
- Working temperature: -40˚ to +100˚C (derated above 70˚C)
- Very high MTBF
- Remote sense
- Two-year warranty



SALE

Mfr.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. ˚C	Efficiency (%)	MTBF (hours)	Jameco Part No.	Pricing 1	10	25	100
Artesyn	SIL06C-05SADJ-V✪	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.07	8	0.2	0.5	0 to +80	89	1,300,000	219150CJ	$8.39	$7.98	$7.58	$7.20
Artesyn	SIL06C-05SADJ-H✪	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.53	8	0.2	0.5	0 to +80	89	1,300,000	219168CJ	8.39	7.98	7.58	7.20
Artesyn	SIL10E-05S1V8-V✪	3.0V-5.5V	1.8V@10A	18W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	92	7,042,000	219141CJ	16.29	15.47	14.69	13.96
Artesyn	SIL10E-05S2V5-V✪	3.0V-5.5V	2.5V@10A	25W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	94	7,042,000	219133CJ	16.29	15.47	14.69	13.96
Artesyn	SIL10E-05W3V3-V✪	4.5V-5.5V	0.8-3.6V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	219117CJ	16.29	15.47	14.69	13.96
Artesyn	SIL10E-05S3V3-V✪	4.5V-5.5V	3.3V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	219125CJ	16.29	15.47	14.69	13.96

✪ Blue Part No. = Limited Quantity Available

15-Amp SIL15C Series

- dI/dt: 10A/µs
- 100% burn-in test
- No minimum load
- Ultra-wide trim range
- Protection: over-current & short-circuit
- Working temperature: 0˚ to +80˚C (derated above 50˚C)
- Remote ON/OFF
- Two-year warranty



For Complete Specifications visit www.Jameco.com.

30-Amp SIL30C Series

- dI/dt: 10A/µs
- 100% burn-in test
- No minimum load
- Two-year warranty
- Horizontal & vertical models
- Protection: over-current, over-temperature & short-circuit
- Working temperature: 0˚ to +80˚C (derated above 50˚C)
- Remote ON/OFF
- Ultra-wide trim range



SALE

Mfr.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. ˚C	Efficiency (%)	Jameco Part No.	Pricing 1	10	25	100
Artesyn	SIL15C-05SADJ-V✪	4.5V-5.5V	0.9V-3.3V@15A	50W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	89	218886CJ	$11.45	$10.89	$10.35	$9.83
Artesyn	SIL15C-12SADJ-V	10.2V-13.8V	0.9V-5V@15A	75W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	91	218878CJ	16.65	15.19	13.74	12.29
Artesyn	SIL30C-12SADJ-V✪	10.2V-13.8V	0.9V-5V@30A	150W	2.40x1.25x0.47	24	0.2	1.0	0 to +80	91	218860CJ	17.59	16.73	15.89	15.10

✪ Blue Part No. = Limited Quantity Available

Power

0.5 to 5-Watt Isolated DC-to-DC Converters

0.5 & 1-Watt Regulated & Unregulated Encapsulated

- 1000VDC isolation
- Protection: short-circuit
- Working temp.: -15 to +60˚C
- No external components needed
- Input filter: capacitor type
- 100% burn-in test
- One-year warranty



3 & 5-Watt Regulated Encapsulated

- 1000VDC isolation
- 2:1 wide input range
- Shielded metal case
- Working temperature: -15 to +60˚C
- No external components needed
- Protection: short-circuit & overload
- Input filter: Pi network
- 100% burn-in test
- One-year warranty



SALE

Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
213225CJ	SRS-0505	4.5-5.5V	+5V@100mA	0.5W	0.88x0.39x0.33	8	1.0	1.0	100	$5.39	$4.91	$4.46	$4.08
216830CJ	SPR01L-12	4.5-5.5V	+12V@84mA	1W	0.77x0.28x0.4	4	1.0	1.0	100	8.95	8.06	7.25	6.52
213268CJ	SCW03A-05	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	15.49	13.95	12.59	11.29
155918CJ	DCW03A-05	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
161701CJ	DCW03A-12	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
220388CJ	SLW05L-12	4.5-9V	+12V@417mA	5W	2x1x0.44	5	0.2	0.5	100	24.95	22.49	20.25	18.25
220353CJ	SLW05A-033	9-18V	+3.3V@1500mA	5W	2x1x0.44	5	0.2	0.5	100	19.95	17.95	16.16	14.54
216928CJ	SLW05A-05	9-18V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216881CJ	SLW05A-15	9-18V	+15V@333mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216936CJ	SLW05B-05	18-36V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216910CJ	SLW05B-12	18-36V	+12V@417mA	5W	2x1x0.44	5	1.0	0.2	100	21.95	19.76	17.78	16.00
216864CJ	DLW05B-12	18-36V	+12V@208mA; -12V@208mA	5W	2x1x0.44	5	0.2	0.2	100	19.19	17.28	15.55	13.99
213233CJ	SLW05C-05	36-72V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	17.25	15.50	13.95	12.56

Save Big! Special Values!

New Lower Prices = Orange
Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

10-Watt Encapsulated



- Isolation voltage: 1000VDC
- 2:1 wide input range
- Working temperature: -15 to +60˚C
- Input filter: Pi-network
- Shielded metal case
- Industry standard package
- 100% burn-in test
- Protection: short-circuit & overload
- Free-air convection cooling
- One-year warranty

Quantity SAVE

Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
216961CJ	SKE10A-05	9-18V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	$33.95	$30.55	$26.95	$24.55
216979CJ	SKE10A-15	9-18V	+15V@666mA	10W	2x1x0.44	5	0.3	1.0	60	33.95	30.56	24.44	18.33
220337CJ	SKE10B-033	18-36V	+3.3V@2400mA	8W	2x1x0.44	5	0.3	0.5	50	33.95	30.56	24.44	18.33
216952CJ	SKE10B-05	18-36V	+5V@2000mA	10W	2x1x0.44	5	0.3	0.5	50	33.95	30.55	26.95	24.55
217023CJ	SKE10B-12	18-36V	+12V@840mA	10W	2x1x0.44	5	0.3	0.5	60	29.95	26.96	21.56	16.17
216944CJ	SKE10C-05	36-72V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	33.95	30.56	24.44	18.33
217031CJ	DKE10A-05	9-18V	+5V@1000mA; -5V@1000mA	10W	2x1x0.44	5	0.3	0.5	50	34.95	31.46	25.16	18.87
217091CJ	DKE10A-12	9-18V	+12V@420mA; -12V@420mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217111CJ	DKE10A-15	9-18V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217074CJ	DKE10B-15	18-36V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217103CJ	DKE10C-12	36-72V	+12V@420mA; -12V@420mA	10W	2x1x0.44	5	0.3	0.5	60	21.99	20.04	18.22	16.56

15-Watt Encapsulated



- Isolation voltage: 1000VDC
- Free-air convection cooling
- Input filter: Pi network
- Shielded metal case
- 2:1 wide input range
- Working temperature: -15˚ to +60˚C
- 100% burn-in test
- Protection: short-circuit & overload
- One-year warranty

Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
155715CJ	SKE15A-05	9-18V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	$34.95	$31.49	$28.15	$25.35
155707CJ	SKE15A-12	9-18V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35
155694CJ	SKE15A-24	9-18V	+24V@625mA	15W	2x2x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35
213276CJ	SKE15B-05	18-36V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	34.95	31.49	28.15	25.35
213284CJ	SKE15B-12	18-36V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.49	28.15	25.35
161728CJ	DKE15A-12	9-18V	+12V@625mA; -12V@625mA	15W	2x2x0.43	5	0.3	0.5	60	35.95	32.36	25.88	19.41
213292CJ	DKE15A-24	9-18V	+24V@313mA; -24V@313mA	15W	2x2x0.43	5	0.3	0.5	80	32.95	29.69	26.90	24.05

20-Watt Encapsulated



- Isolation voltage: 1000VDC
- Output trim
- Free-air convection cooling
- Working temp.: -40˚ to +71˚C
- Industry standard package
- 100% burn-in test
- Shielded metal case
- Input filter: Pi network
- Protection: short-circuit & overload
- One-year warranty

SALE

Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
217630CJ	DKB20A-05	9-18V	+5V@2000mA; -5V@2000mA	20W	1.2x2x0.82	8	0.2	0.2	100	$44.95	$40.49	$36.45	$32.79
217621CJ	DKB20A-15	9-18V	+15V@667mA; -15V@667mA	20W	1.2x2x0.82	8	0.2	0.2	100	33.09	30.07	27.34	24.85
217576CJ	DKB20C-12 ✪	36-72V	+12V@833mA; -12V@833mA	20W	1.2x2x0.82	8	0.2	0.2	100	25.89	24.60	23.37	22.20
217613CJ	DKB20C-15 ✪	36-72V	+15V@667mA; -15V@667mA	20W	1.2x2x0.82	8	0.2	0.2	100	25.89	24.60	23.37	22.20
217648CJ	TKB20C-B	36-72V	+5V@2500mA; ±12V@310mA	20W	1.2x2x0.82	8	0.2	0.2	100	37.79	33.99	31.25	29.89

✪ Blue Part No. = Limited Quantity Available

30-Watt Encapsulated



- Isolation voltage: 1000VDC
- Protection: short-circuit & overload
- Shielded metal case
- Input filter: Pi-network
- 2:1 wide input range
- Remote ON/OFF
- Switching frequency: 100kHz
- 100% burn-in test• Output trim
- Working temperature: -40˚ to +71˚C
- One-year warranty

SALE

Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
218544CJ	DKA30B-12 ✪	18-36V	±12V@1250mA	30W	2x2x0.82	8	0.2	0.2	100	$32.99	$30.01	$27.28	$24.80

✪ Blue Part No. = Limited Quantity Available

30-Watt Encapsulated



- Isolation voltage: 1000VDC
- 2:1 wide input range
- Working temperature: -25˚ to +85˚C
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- Output trim
- Remote ON/OFF
- One-year warranty
- Protection: short-circuit, overload & over-voltage

Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
217234CJ	SDM30-12S12	9-18V	+12V@2100mA	25.2W	2x1.8x0.62	8	1.0	1.0	100	$34.95	$31.77	$28.88	$26.26
217242CJ	SDM30-24S12	18-36V	+12V@2500mA	30W	2x1.8x0.62	8	1.0	1.0	100	45.95	41.35	37.25	33.55

10-Watt Open Frame

ARTESYN TECHNOLOGIES

CXA10 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- 100% burn-in test
- 4:1 input voltage range
- Two-year warranty
- Protection: short-circuit & overload
- Working temp.: -40 to +100˚C (see www.Jameco.com)



15-Watt Open Frame

ARTESYN TECHNOLOGIES

CXE15 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- 100% burn-in test
- No minimum load
- Two-year warranty
- Protection: over-voltage & over-current
- Working temperature: -40˚ to +65˚C
- Output trim



20-Watt Open Frame

ARTESYN TECHNOLOGIES

CXA20 Series: Single Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- Remote ON/OFF
- 100% burn-in test
- No minimum load
- 4:1 input voltage range
- Two-year warranty
- Protection: over-voltage, over-temperature & short-circuit
- Working temperature: -40˚ to +60˚C (see www.Jameco.com)



60-Watt Open Frame

ARTESYN TECHNOLOGIES

EXQ60 Series: Dual Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- Remote ON/OFF
- 100% burn-in test
- No minimum load
- Two-year warranty
- Protection: short-circuit, over-current & over-voltage
- Working temperature: -40˚ to +100˚C (see www.Jameco.com)



Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	SALE Pricing 1	10	25	100
219037CJ	CXA10-48S3V3 ✪	18-75V	+3.3V@2400mA	7.9W	2.0x1.0x0.54	6	0.1	0.2	30	$25.55	$24.29	$23.07	$21.92
219045CJ	CXA10-48S05 ✪	18-75V	+5.0V@2000mA	10W	2.0x1.0x0.54	6	0.1	0.2	30	25.55	24.29	23.07	21.92
219070CJ	CXE15-48S1V8 ✪	33-75V	+1.8V@6000mA	10.8W	2.0x1.0x0.35	6	0.3	2.0	40	24.69	23.48	22.31	21.19
219088CJ	CXE15-48S2V5 ✪	33-75V	+2.5V@6000mA	15W	2.0x1.0x0.35	6	0.3	1.5	40	24.69	23.48	22.31	21.19
219053CJ	CXE15-48S3V3 ✪	33-75V	+3.3V@4500mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	24.69	23.48	22.31	21.19
219061CJ	CXE15-48S05V ✪	33-75V	+5V@3000mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	24.69	23.48	22.31	21.19
219109CJ	CXA20-48S3V3 ✪	18-75V	+3.3V@6000mA	19.8W	2.0x1.6x0.41	8	0.1	0.2	75	35.49	33.73	32.04	30.44
219096CJ	CXA20-48S05 ✪	18-75V	+5V@4000mA	20.0W	2.0x1.6x0.41	8	0.1	0.1	75	35.49	33.73	32.04	30.44
218894CJ	EXQ60-48D3V3-2V5-R ✪	33-75V	+2.5V@16A; +3.3V@12A	40W	2.3x1.5x0.50	7	—	—	60	76.99	73.23	69.57	66.09
218907CJ	EXQ60-48D05-3V3-R ✪	33-75V	+3.3V@15A; +5V@12A	60W	2.3x1.5x0.50	7	—	—	60	76.99	73.23	69.57	66.09

✪ Blue Part No. = Limited Quantity Available

25-Watt Enclosed

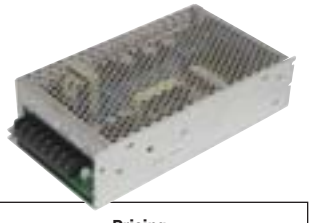
- Isolation voltage: 500VDC
- 2:1 wide input range
- Working temperature: -10˚ to +60˚C
- Protection: short-circuit, overload and over-voltage
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- Free-air convection cooling
- One-year warranty



Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
175661CJ	SD-25A-5	9-18V	+5V@5000mA	25W	see www.Jameco.com	5	0.5	0.5	100	$40.95	$30.99	$28.99	$24.99
175804CJ	SD-25A-12	9-18V	+12V@2100mA	25.2W	see www.Jameco.com	5	0.3	0.3	120	37.95	34.16	27.32	20.49
175812CJ	SD-25A-24	9-18V	+24V@1100mA	26.4W	see www.Jameco.com	5	0.2	0.2	150	40.95	30.99	28.99	24.99

50, 100 & 150-Watt Enclosed

- Isolation voltage: 1500VDC
- One-year warranty
- 2:1 wide input range
- Protection: short-circuit, overload and over-voltage
- Mounting hardware: use P/Ns 222156CJ & 222172CJ; see www.Jameco.com for specifications
- Input filter: Pi-network
- Shielded metal case
- Working temperature: -10˚ to +60˚C
- 100% burn-in test
- Free-air convection cooling



Jameco Part No.	Manufacturer Product Number	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
212548CJ	SD-50A-5	9-18V	+5V@10A	50W	see www.Jameco.com	5	0.5	0.5	100	$35.79	$32.53	$29.58	$26.89
212530CJ	SD-50B-12	19-36V	+12V@4.2A	50.4W	see www.Jameco.com	5	0.3	0.3	120	51.95	46.76	37.40	28.05
212513CJ	SD-50B-24	19-36V	+24V@2.1A	50.4W	see www.Jameco.com	5	0.2	0.2	150	35.79	32.21	25.77	24.15
212505CJ	SD-50C-12	36-72V	+12V@4.2A	50.4W	see www.Jameco.com	5	0.3	0.3	120	51.95	39.99	36.99	32.99
216565CJ	SD-100B-12	19-36V	+12V@8.5A	102W	see www.Jameco.com	7	0.3	0.3	120	72.95	65.66	52.52	39.39
212468CJ	SD-100C-12	36-72V	+12V@8.5A	102W	see www.Jameco.com	7	0.3	0.3	120	63.95	53.99	50.99	44.99
217269CJ	SD-150B-12	19-36V	+12V@12.5A	150W	see www.Jameco.com	7	0.5	0.5	120	82.95	74.66	59.72	44.79

Power

AC-to-DC Regulated Switching Table-Top Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

We will change any power plug (pg 131) on any table-top power supply (100 pc. minimum).

See page 191 for International Power Cords

NEW


237059CJ


211300CJ


249041CJ


211174CJ

Polarity 1 ⊕—•—⊖ (center negative)


Female


Male

Polarity 2 ⊖—•—⊕ (center positive)


DIN M

Quantity SAVE

Power	Part Number	Brand ▲	Mfr. Cross Ref. No. ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Regulated Switching																	
12-24 Watt	237059CJ	Cisco	ADP-12GB	12.5	+5/2.5	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	3.5 x 2.3 x 1.2	6'/ **3**	0.6	UL/CUL/TUV/CE	$14.95	$13.49	$12.15	$10.89
	249050CJ	Phihong	PSA15W-050	12.5	+5/2.5	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	4.3 x 2.6 x 1.0	6'/ **3**	0.4	UL/CSA/TUV/CE	19.49	17.75	16.39	14.55
	379612CJ	Mean Well	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377924CJ	Mean Well	P30B-1P2JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	380621CJ	Mean Well	ES25B05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379760CJ	Mean Well	P30B-1P2MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	211300CJ	Artesyn	SSL20-7605	20	+5/4.0	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	4.2 x 2.3 x 1.0	6'/ **3**	1.5	UL/CSA/VDE/CE	24.95	22.46	17.96	13.11
	379920CJ	Mean Well	ES25B07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380672CJ	Mean Well	ES25B07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	195805CJ	Horizon	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	26.95	24.25	21.85	19.65
	195768CJ	Horizon	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.66	16.52	15.55
	249041CJ	Phihong	PSA15W-120	15	+12/1.25	100-240@50-60	2.1mm x 5.5mm F **2**	No	Black	4.3 x 2.6 x 1.0	6'/ **3**	0.3	UL/CSA/TUV/CE	19.49	17.75	16.39	14.55
	242958CJ	Mean Well	G15B-3P2JR15U	15	+12/1.3	100-240@50-60	2.1mm x 5.5mm F **2**	No	Black	3.9 x 2.3 x 1.6	6'/6'	0.5	UL/CSA/TUV/CE	19.49	17.69	16.39	14.51
	391769CJ	Mean Well	ES18B12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	211174CJ	Horizon	SC102TA1503	18	+15/1.2	100-240@47-63	2.5mm x 5.5mm F **2**	No	Black	4.0 x 1.9 x 1.4	6'/ **3**	0.5	UL/CUL/TUV/CE	19.95	17.95	16.16	14.54
	391777CJ	Mean Well	ES18B24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	196138CJ	DVE	DSA-0283A	23	+5/1, +12/1.49 -5/.43	100-240@47-63	5-pin DIN M	No	Black	4.9 x 2.7 x 1.5	6'/ **3**	0.8	UL/CSA/TUV	16.95	15.25	12.19	9.15
25-29 Watt	379938CJ	Mean Well	ES25B09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380681CJ	Mean Well	ES25B09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377932CJ	Mean Well	P30B-2P2JU	26	+9/2.89	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379786CJ	Mean Well	P30B-2P2MU	26	+9/2.89	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379946CJ	Mean Well	ES25B12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380701CJ	Mean Well	ES25B12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377941CJ	Mean Well	P30B-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379794CJ	Mean Well	P30B-3P2MU	27	+12/2.25	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379954CJ	Mean Well	ES25B15-P1JU	25	+15/1.67	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380710CJ	Mean Well	ES25B15-P1MU	25	+15/1.67	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377959CJ	Mean Well	P30B-4P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379655CJ	Mean Well	P30B-4P2MU	27	+15/1.8	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379962CJ	Mean Well	ES25B18-P1JU	25	+18/1.39	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380728CJ	Mean Well	ES25B18-P1MU	25	+18/1.39	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379971CJ	Mean Well	ES25B24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380761CJ	Mean Well	ES25B24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221612CJ	Mean Well	P30B-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	25.95	23.35	20.99	18.99
	379989CJ	Mean Well	ES25B28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380779CJ	Mean Well	ES25B28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	205911CJ	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F **2**	No	Black	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	17.49	15.75	12.59	9.45
	379997CJ	Mean Well	ES25B48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380808CJ	Mean Well	ES25B48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
30-65 Watt	220311CJ	Horizon	SL120300 ✪	36	+12/3.0	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.0 x 1.2	6'/ **3**	0.6	UL/CUL/TUV/CE	29.95	26.95	24.29	21.85
	220441CJ	Horizon	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F **2**†	Yes	Black	4.3 x 2.0 x 1.2	6'/ **3**	0.6	UL/CUL/TUV/CE	29.95	26.96	21.56	16.17
	230498CJ	Phihong	PSA60W-120	50	+12/4.2	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	4.0 x 2.5 x 1.3	6'/ **3**	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08
	230501CJ	Phihong	PSA60W-180	60	+18/3.3	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	4.0 x 2.5 x 1.3	6'/ **3**	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08
	229841CJ	Phihong	PSA60W-240	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	4.0 x 2.5 x 1.3	6'/ **3**	0.5	UL/CUL/TUV/CE	36.49	31.02	23.26	17.45
	288534CJ	EOS	ZVC65SG2410	65	+24/2.7	100-240@50-60	2.5mm x 5.5mm F **2**	Yes	Black	4.2 x 1.7 x 1.2	4'/ **3**	0.4	UL/CUL//CE/VDE	21.59	19.60	17.82	16.20

* See accessory table-top power cord chart on page 182 when AC cord needed; refer to [1], [2] or [3] in "Cord (DC/AC)" column above for correct power cord

† Right angle

▲ Manufacturer and Manufacturer Cross Reference Number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

✪ Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies continued on next page

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages @ **www.Jameco.com**.

AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 131) on any table-top power supply (100 pc. minimum).

See page 191 for International Power Cords

NEW


308700CJ


159353CJ


243011CJ


206455CJ


DIN M

Polarity 1 ⊕—•—⊖ (center negative)


Female


Male

Polarity 2 ⊖—•—⊕ (center positive)

Quantity SAVE

Power	Part Number	Brand ▲	Mfr. Cross Ref. No. ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching																	
5-20 Watt	221567CJ	Mean Well	P40A-OP2JU	15	+3.3/4.5	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	$22.99	$20.69	$18.83	$16.97
	308700CJ	Be-Well	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F **2**†	No	Black	4.2 x 2.0 x 1.6	6'/ **2**	0.4	UL/CUL/TUV/CE	16.95	15.26	12.20	9.15
	309876CJ	Go Forward	G112-USO520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F **2**	No	Black	2.6 x 1.9 x 1.3	6'/ **2**	0.4	UL/CUL/TUV/CE	17.75	15.98	12.78	9.59
	311802CJ	Li Shin	LSE0103B0510	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.0 x 1.2	6'/ **2**	0.4	UL/CUL/TUV/CE	13.89	11.29	9.95	9.65
	196218CJ	GlobTek	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F **2**	No	Black	3.4 x 1.9 x 1.3	6'/ **2**	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55
	355717CJ	CUI Stack	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.1mm x 5.5mm F **2**	No	Black	3.9 x 2.0 x 1.4	6'/ **1**	0.5	UL/CUL/TUV/CE	17.29	16.18	14.40	14.32
	377844CJ	Mean Well	ES18A05-P1JU	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379719CJ	Mean Well	ES18A05-P1MU	15	+5/3.0	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	355506CJ	APS	AD-740U-1050/LP	15	+5/3.0	100-240@50-60	2.5mm x 5.5mm F **2**	Yes	Black	4.2 x 2.6 x 1.6	6'/ **1**	0.8	UL/CUL/TUV/CE	17.29	16.40	13.24	12.57
	379591CJ	Mean Well	ES25A05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380470CJ	Mean Well	ES25A05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	213583CJ	Mean Well	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	$26.95 23.69	21.32	17.06	16.04
	377861CJ	Mean Well	ES18A09-P1JU	18	+9/2.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379735CJ	Mean Well	ES18A09-P1MU	18	+9/2.0	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303538CJ	I.T.E.	UP01411120	12	+12/1.0	100-250@50-60	2.5mm x 5.5mm F **2**	No	Black	4.1 x 2.5 x 1.3	4'/ **2**	0.4	UL/CSA/TUV/CE	16.75	13.37	11.70	11.14
	228988CJ	Phihong	PSA18U-120	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	3.9 x 2.2 x 1.2	6'/ **2**	0.5	UL/CUL/TUV/CE	22.95	20.65	18.59	16.75
	376622CJ	Mean Well	ES18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379701CJ	Mean Well	ES18A12-P1MU	18	+12/1.5	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	216531CJ	Mean Well	KWM12F-P2MU	18	+12/1.5	100-240@47-63	2.5mm x 5.5mm F **2**	No	Black	4.0 x 1.9 x 1.5	6'/6'	0.4	UL/CUL/TUV/CE	26.95	24.26	19.40	14.55
	320231CJ	3-Com	10030973	18	+12/1.5	100-240@47-63	2.5mm x 5.5mm F **2**	No	Black	4.1 x 2.0 x 1.4	6'/ **2**	0.4	UL/CUL/TUV/CE	15.19	13.67	10.94	8.20
	298062CJ	I.T.E.	UP01831120	18	+12/1.5	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	3.7 x 2.2 x 1.3	7'/ **2**	0.4	UL/CUL//CE	15.45	13.90	11.12	8.34
	377879CJ	Mean Well	ES18A15-P1JU	18	+15/1.2	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379743CJ	Mean Well	ES18A15-P1MU	18	+15/1.2	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	394231CJ	Mean Well	ES24A15-P1JU	18	+18/1.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303546CJ	I.T.E.	UP01811180	18	+18/1.5	100-250@50-60	2.1mm x 5.5mm F **2**	No	Black	4.1 x 2.5 x 1.3	4'/ **2**	0.4	UL/CSA/TUV/CE	19.55	17.60	14.08	10.56
	243002CJ	Mean Well	G15A-6P2JU	15	+24/0.6	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	3.9 x 2.3 x 1.3	6'/6'	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55
	159353CJ	Mean Well	KA60AU	17	+5/1, ±12/0.5	100-240@50-60	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.5	6'/5'	1.0	UL/CSA/TUV	36.95	33.26	26.60	21.89
	364146CJ	Ault	SW306KF	17	+5/1, +12/0.8 -12/0.2	100-250@50-60	5-pin DIN M	No	Black	5.1 x 3.0 x 1.6	6'/ **1**	1.1	UL/CSA/TUV/CE	26.95	24.26	19.40	14.55
21-29 Watt	213575CJ	Mean Well	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	29.95	26.96	21.56	16.97
	379698CJ	Mean Well	ES25A07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380496CJ	Mean Well	ES25A07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377908CJ	Mean Well	P30A-1-1P2JU	23	+7.5/3.06	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379751CJ	Mean Well	P30A-1-1P2MU	23	+7.5/3.06	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379727CJ	Mean Well	ES25A09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380517CJ	Mean Well	ES25A09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	211027CJ	Mean Well	KA52BMODJD4 ✪	25	+9/2.78	100-240@47-63	2.1mm x 5.5mm F **2**	No	Black	4.2 x 2.6 x 1.5	6'/6'	0.9	UL/CSA/TUV/CE	17.85	16.07	12.85	9.64
	211019CJ	Mean Well	KA52BJF5	25	+9/2.78	100-240@47-63	2.5mm x 5.5mm F **2**	No	Black	4.2 x 2.6 x 1.5	6'/ **2**	0.9	UL/CSA/TUV/CE	29.95	26.96	21.56	16.17
	379778CJ	Mean Well	ES25A12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380533CJ	Mean Well	ES25A12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377895CJ	Mean Well	P30A-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379823CJ	Mean Well	ES25A15-P1JU	25	+15/1.66	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380541CJ	Mean Well	ES25A15-P1MU	25	+15/1.66	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	243011CJ	Mean Well	P30A-41P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	23.69	21.80	20.76	19.71
	206455CJ	Ault	SC100	25	+16/1.56	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	4.2 x 2.6 x 1.5	6'/6'	1.2	UL/CUL/TUV/CE	17.95	16.16	12.92	9.69
	379840CJ	Mean Well	ES25A18-P1JU	25	+18/1.38	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380550CJ	Mean Well	ES25A18-P1MU	25	+18/1.38	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379882CJ	Mean Well	ES25A24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380576CJ	Mean Well	ES25A24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45

* See accessory table-top power cord chart on page 182 when AC cord needed; refer to [1], [2] or [3] in "Cord (DC/AC)" column above for correct power cord

▲ Manufacturer and Manufacturer Cross Reference Number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

† Right angle

✪ Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies continued on next page

See page 191 for International Power Cords

We will change any power plug (pg 131) on any table-top power supply (100 pc. minimum).

NEW


229032CJ


203043CJ


211191CJ


211107CJ

Polarity 1 ⊕—○—⊖ (center negative)


Female


Male

Polarity 2 ⊖—○—⊕ (center positive)


DIN M

Quantity SAVE

Power	Part Number	Brand ▲	Mfr. Cross Ref. No. ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching (Continued)																	
21-29 Watt	221680CJ	Mean Well	P30A-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CSA/TUV/CE	$26.95	$24.29	$21.85	$19.65
	379891CJ	Mean Well	ES25A28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380584CJ	Mean Well	ES25A28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379903CJ	Mean Well	ES25A48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380605CJ	Mean Well	ES25A48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	215087CJ	Mean Well	P30A-8P2JU	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	21.89	19.89	18.09	16.59
	196269CJ	Everglow	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	Black	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	27.95	25.19	22.65	20.39
	221751CJ	Mean Well	P25A13-R1BU	25	+5/2.5; +12/1.0	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CSA/TUV/CE	27.95	25.19	22.69	20.39
	190650CJ	Ault	SW300	25	+5/4, +12/1.0	100-250@50-60	5-pin DIN M	No	Black	5.9 x 3.4 x 2.1	6'/ 2	1.5	UL/CSA/TUV	9.95	8.96	7.16	5.37
	190959CJ	Mean Well	P25A13D-R1U	26	+5/2.5, +12/0.8 -12/0.3	100-240@47-63	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.4	6'/6'	1.1	CUL/TUV/CE	32.95	29.69	26.69	24.05
	221719CJ	Mean Well	P25A14E-R1BU	25	+5/2.5, +15/0.3 -15/0.3	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	32.95	29.69	26.69	24.05
30-40 Watt	320080CJ	GlobTek	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.7 x 2.4 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CE	24.69	22.89	20.59	18.55
	206527CJ	Mean Well	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.7 x 1.5	6'/6'	1.5	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	229008CJ	Phihong	PSA31U-120	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.66
	155213CJ	Mean Well	P40A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	35.95	32.36	29.12	26.21
	297692CJ	Mean Well	P40A-3P2MU	40	+12/3.3	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	355063CJ	ReliaPro	JR-TT-40-12	40	+12/3.33	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/ 2	0.6	UL/CUL/TUV/CE	29.39	23.51	20.58	19.52
	229016CJ	Phihong	PSA31U-150	30	+15/2.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	206471CJ	Mean Well	P40A-4AR01U	30	+15/2.0	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	5.6 x 2.9 x 1.6	6'/6'	1.2	UL/CUL/TUV/CE	26.95	24.26	19.40	17.46
	221575CJ	Mean Well	P40A-4P2JU	40	+15/2.7	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
	230480CJ	Phihong	PSA31U-180	30	+18/1.6	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.75
	229024CJ	Phihong	PSA31U-240	30	+24/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.66
	181884CJ	Mean Well	P40A-6P2JU	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/TUV/CE	35.95	32.36	29.12	26.21
	297756CJ	Mean Well	P40A-6P2MU	40	+24/1.7	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	229032CJ	Phihong	PSA31U-480	30	+48/0.63	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.6	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221583CJ	Mean Well	P40A-8P2JU	40	+48/0.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	24.44	18.33
	203043CJ	Ault	SC200	32	+5/4, +12/1	100-240@50-60	5-pin DIN M	No	Black	5.0 x 3.0 x 1.6	6'/ 2	1.3	UL/CSA/CE	19.95	17.95	12.95	9.95
	211191CJ	Westinghouse	FSA30P31	30	+5/3, ±12/0.8	85-264@47-63	5-pin DIN M	No	Black	5.8 x 3.0 x 1.7	4'/ 2	1.1	UL/CSA/TUV	25.95	23.35	18.68	14.01
41-59 Watt	221487CJ	Mean Well	SPU50-1U	50	+5/10	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	2.0	UL/CUL/TUV/CE	36.95	33.95	31.95	29.49
	221701CJ	Mean Well	P50A13D-R1BU	50	+5/4.0, +12/2.0 -12/0.5	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	4'/6'	1.5	UL//CUL/TUV/CE	48.95	44.09	39.69	35.69
	215132CJ	Mean Well	U45T302-R1BU	42	+5/5, +12/1, -12/0.3	90-264@47-63	5-pin DIN M	Yes	Black	5.8 x 3.1 x 1.8	4'/6'	1.4	UL/CUL/TUV/CE	49.95	44.99	40.49	36.45
	211107CJ	Fortron	FSA55P31	45	+5/5, +12/3 -12/0.5	85-264@50-60	5-pin DIN M	Yes	Black	7.0 x 3.8 x 2.2	4'/ 2	1.6	UL/CSA/TUV	49.95	44.96	35.96	26.24
	237366CJ	Mean Well	P50A14E-R1BU	42	+5/3.5; +15/1.2 -15/0.3	100-240@47-63	5-pin DIN M	Yes	Black	5.8 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	36.95	33.25	32.39	31.53
60-80 Watt	155230CJ	Mean Well	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CSA/TUV	49.95	44.95	39.95	35.95
	297721CJ	Mean Well	SPU50-3P2MU	60	+12/5.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95
	376606CJ	Mean Well	P66A-3P2JU	66	+12/5.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	379671CJ	Mean Well	P66A-3P2MU	66	+12/5.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	391742CJ	Mean Well	P66A-4P2JU	66	+15/4.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	182959CJ	Elpac	W7212	72	+12/6.0	95-250@47-63	5-pin DIN M	—	Black	6.2 x 3.8 x 2.6	6'/6'	2.5	UL/CSA/CE	54.95	49.49	39.59	29.69
	221428CJ	Mean Well	U65S105-P2JU	80	+12/6.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	58.46	52.61	43.84
	221436CJ	Mean Well	U65S106-P2JU	80	+15/5.33	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
	243045CJ	Mean Well	P66A-5P2JU	66	+18/3.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	38.49	34.91	32.21	29.55
	221444CJ	Mean Well	U65S107-P2JU	80	+18/4.4	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49

* See accessory table-top power cord chart on page 182 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

▲ Manufacturer and Manufacturer Cross Reference Number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

3-Wire Table-Top Power Supplies continued on next page

AC-to-DC Regulated Switching Table-Top Power Supplies *(Continued)*

See page 191 for International Power Cords

We will change any power plug (pg 131) on any table-top power supply (100 pc. minimum).


297633CJ


355055CJ


172064CJ


221461CJ

Polarity 1 ⊕—●—⊖ (center negative)


Female


Male

Polarity 2 ⊖—●—⊕ (center positive)

Power	Part Number	Brand ▲	Mfr. Cross Ref. No. ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching (Continued)																	
60-80 Watt	**161605CJ**	Mean Well	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F **2**	Yes	Black	5.6 x 2.9 x 1.6	1'9"/6'	1.3	UL/CSA/TUV	**$44.95**	**$39.95**	**$35.95**	**$32.95**
	297633CJ	Mean Well	SPU50-6P2MU	60	+24/2.5	95-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	**44.95**	**39.95**	**35.95**	**32.95**
	355055CJ	ReliaPro	JR-TT-66-24	66	+24/2.75	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	5.8 x 3.0 x 1.7	6'/[2]	1.2	UL/CUL/TUV/CE	**34.95**	**32.21**	**28.68**	**27.31**
	221452CJ	Mean Well	U65S108-P2JU	80	+24/3.3	95-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	6.6 x 3.1 x1.8	6'/6'	2.0	UL/CUL/TUV/CE	**64.95**	**55.29**	**49.95**	**47.49**
	376614CJ	Mean Well	P66A-8P2JU	66	+48/1.37	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	**34.95**	**31.92**	**27.93**	**26.59**
	379680CJ	Mean Well	P66A-8P2MU	66	+48/1.37	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	**34.95**	**31.92**	**27.93**	**26.59**
	172064CJ	Mean Well	SPU50-9U	60	+48/1.25	100-240@47-63	2.1mm x 5.5mm F **2**	Yes	Black	5.6 x 2.9 x 1.7	6'/6'	1.3	UL/CSA/TUV	**44.95**	**40.49**	**36.45**	**32.79**
	221461CJ	Mean Well	U65S111-P2JU	80	+48/1.7	95-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	**64.95**	**55.29**	**49.95**	**47.49**

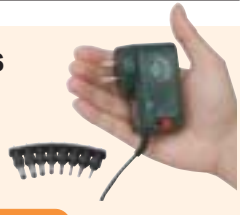
* See accessory table-top power cord chart on page 182 when AC cord needed; refer to [1], [2] or [3] in "Cord (DC/AC)" column above for correct power cord
▲ Manufacturer and Manufacturer Cross Reference Number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

Compact DC Regulated Switching Power Adapter with Detachable Plugs

This state-of-the-art switching power adapter offers some major advantages such as stabilized outputs, short circuit and overload protection, compact design, and low idle consumption versus typical wall adapters.

- 8 plugs: 2.5mm M mono, 3.5mm M mono, 1.0mm x 3.0mm F, 1.3mm x 3.5mm F, 1.7mm x 4.0mm F, 2.1mm x 5.0mm F, 1.5mm x 5.5mm F, and 2.5mm x 5.5mm F
- Selectable output voltages: 3 / 4.5 / 6 / 7.5 / 9 / 12 VDC @ 800mA (regulated) with 1.5A max. output

See pages 183-188 for our selection of wall adapters.



Part No.	Description	Input Voltage	Power Output	Efficiency	Size	Weight	Lower $$$	Price
239564CJ	Compact power adapter	100-240VAC	10W	80%	2.9"H x 1.2"W x 1.9"D	0.2 lbs.	~~$22.95~~	**$19.95**

AC-to-DC Regulated Linear Table-Top Power Supplies

We will change any power plug (pg 131) on any table-top power supply (100 pc. minimum).

See page 191 for International Power Cords


211060CJ


265295CJ


318756CJ


243088CJ


DIN M

Polarity 1 ⊕—●—⊖ (center negative)


Female


Male

Polarity 2 ⊖—●—⊕ (center positive)

Power	Part Number	Brand ▲	Mfr. Cross Ref. No. ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Quantity SAVE / SALE Pricing 1	10	50	100
2-Wire AC Input – Regulated Linear																	
5-25	**211060CJ**	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm rt angle F **2**	No	Black	3.4 x 2.7 x 2.2	6'6"/6'	1.7	UL/CSA	**$11.95**	**$10.76**	**$8.07**	**$5.95**
	174844CJ	Jameco	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F **2**	No	Black	4.4 x 3.0 x 2.5	6'/6'	2.6	—	**18.65**	**16.78**	**13.42**	**10.07**
3-Wire AC Input – Regulated Linear																	
5-20 Watts	**154624CJ**	Motorola	5712-305-4C3E†	5.6	+5/0.5, ±12/0.13	120@60	8-pin mini DIN M	No	Black	2.9 x 2.6 x 1.9	6'/[2]	1.2	UL/CSA	**$12.95**	**$11.66**	**$9.32**	**$6.99**
	265295CJ	—	T5121000/37	12.2	+5/1, ±12/0.3	120@60	5-pin DIN M	No	Black	4.5 x 3.0 x 2.5	6'/6'	2.6	UL/CSA	**9.69**	**8.72**	**7.85**	**6.56**
	318756CJ	Adcom	WM113TT	13	+5/0.86, ±12/0.3	115@60	5-pin DIN M	No	Black	4.9 x 3.0 x 2.2	6'/6'	1.3	UL/CSA	**31.99**	**27.15**	**25.75**	**24.45**
	243088CJ	Regal	RJM-551228	17.4	+5/0.9, +12/0.62 -5/0.2, -28/0.16	120@60	6-pin DIN M	No	Black	5.9 x 3.6 x 2.6	6'/6'	3.4	UL/CUL	**8.49**	**7.70**	**7.00**	**6.36**

† Wall-Mount
* See accessory table-top power cord chart on page 182 when AC cord needed; refer to [1], [2] or [3] in "Cord (DC/AC)" column above for correct power cord
▲ Manufacturer and Manufacturer Cross Reference Number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

AC-to-DC Unregulated Table-Top Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

We will change any power plug (pg 131) on any table-top power supply (100 pc. minimum).

See page 191 for International Power Cords


243109CJ


354941CJ


220919CJ


319222CJ

Quantity SAVE

SALE


Stripped

Polarity 1 ⊕—○—⊖ (center negative)


Female


Male

Polarity 2 ⊖—○—⊕ (center positive)

Power	Part Number	Brand ▲	Mfr. Cross Ref. No. ▲	Output Power (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Unregulated																	
9-30 Watts	190051CJ	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	$9.95	$8.99	$7.19	$5.39
	243109CJ	Regal	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	Black	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	13.95	12.56	10.04	7.53
	203182CJ	Brother	A71222D	25	+11.5/2.2	120@60	2.1mm x 5.5mm F 1	No	Black	4.1 x 2.8 x 2.2	6'/6'	2.0	UL/CSA	3.85	3.48	3.17	2.88
	354941CJ	Terayon	AD-121ADT	12	+12/1.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.2 x 2.3 x 1.9	6'/6'	1.4	UL/CUL	14.95	13.46	12.11	10.90
	136565CJ	Jameco	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	Black	3.2 x 2.2 x 1.9	6'/6'	1.2	—	15.35	13.82	11.05	8.29
	140880CJ	Jameco	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	Black	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	14.25	12.82	10.26	7.70
	143714CJ	—	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL-No UL	16.45	14.80	13.32	11.99
	143722CJ	Jameco	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	14.25	12.82	11.61	10.44
	143731CJ	—	DC1220M3	24	+12/2.0	120@60	3.5mm M 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	14.25	12.64	10.33	7.69
	220919CJ	Jameco	EFU135170	23	+13.5/1.7	120@60	2.1mm x 5.5mm F 1	No	Black	3.4 x 2.7 x 2.1	6'/6'	1.8	CUL-No UL	5.35	5.05	4.80	4.56
	139096CJ	Jameco	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.1 x 2.6	6'/6'	2.5	—	16.45	14.84	13.36	12.04
	173665CJ	Skynet	DND-3005	15	+30/0.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.0 x 2.5 x 2.2	5'9"/3'2"	1.4	UL/CUL ~~$13.29~~	11.95	10.76	8.60	6.45
	205920CJ	Skynet	DND-3012	30	+30/1.0	120@60	2.5mm x 5.5mm F 2	No	Black	4.0 x 2.9 x 2.5	6'/6'	1.7	UL/CUL	8.95	8.06	6.44	4.83
3-Wire AC Input – Unregulated																	
15-25	319222CJ	—	SPU15A-3	15	+12/1.25	120@60	Stripped & Tinned	Yes	Black	3.6 x 1.5 x 1.4	15'3"/2	—	UL/CUL/CE	$15.65	$14.08	$11.27	$8.45
	157956CJ	Everglow	EFU120150	18	+12/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.7 x 2.2	6'/6'	2.0	UL	12.05	10.84	9.76	8.78
	196306CJ	—	A51813D	23	+18/1.3	120@60	2.5mm x 5.5mm F 2	No	Black	3.6 x 2.4 x 2.0	6'/6'	1.8	UL/CSA	12.95	11.69	9.34	7.04

▲ Manufacturer and Manufacturer Cross Reference Number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

* See accessory table-top power cord chart below when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord


38041CJ


38050CJ

** Accessory Power Input Cords for Table-Top Power Supplies


189587CJ

For Additional Power Cords See Page 192.

Part No.	Ref. No.**	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	100	250
38041CJ	1	3-conductor power cord	Beige	18/3	UL/CSA	6'	0.4	SVT	$3.49	$3.15	$2.79	$2.49
38050CJ	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT	3.75	3.29	2.89	2.17
189587CJ	3	2-conductor power cord Quantity SAVE	Black	18/2	UL/CSA	6'	0.3	SPT	2.49	2.24	1.79	1.34

Medical Table-Top & Wall Switching AC-to-DC Power Supplies

GlobTek®

AC-to-DC Medical Table-Top Regulated Switching Power Supplies

- Input voltage: 90-264VAC @ 47-63Hz
- 3-wire AC input
- Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV, whichever is smaller
- 2.5mm x 5.5mm female center positive
- Cord length (DC/AC): 6' / use P/N 38050CJ
- Size: 2.9"L x 2.0"W x 1.6"H
- UL/CUL/TUV/CE approved for medical applications



SALE

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing 1	10	50	100
230658CJ	TR9CA2600CP	13.0	+5/2.6 ~~$32.95~~	$28.95	$26.06	$23.72	$22.47
230682CJ	TR9CE1250CP	15.6	+12/1.3	32.95	29.65	26.69	23.99
230691CJ	TR9CG1200CP	18.0	+15/1.2	32.95	29.65	26.69	23.99
230711CJ	TR9CI750CP	16.8	+24/0.7 ~~$32.95~~	28.95	26.06	23.72	22.47
230738CJ	TR9CA6000LCP	30.0	+5/6.0 ~~$52.95~~	46.95	42.26	33.80	32.08
230762CJ	TR9CE4000LCP	49.2	+12/4.0	52.95	47.65	42.89	38.59
230771CJ	TR9CG3333LCP	49.5	+15/3.3 ~~$52.95~~	46.95	42.26	33.80	32.08
230797CJ	TR9CI2100LCP	50.4	+24/2.1	52.95	47.66	38.12	32.08

GlobTek®

AC-to-DC Medical Regulated Switching Wall Adapters

- Input voltage: 100-240VAC @ 47-63Hz
- 3-prong input plug
- Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV whichever is smaller
- 2.5mm x 5.5mm female center positive
- Output cord length: 6'
- Size: 2.9"H x 1.9"W x 1.6"D
- Agency approval: UL/CUL/TUV/CE approved for medical applications



SALE

✪ Blue Part No. = Limited Quantity Available

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing 1	10	50	100
230818CJ	WR92A2600LCP	13.0	+5 @ 2.6	$26.99	$24.52	$22.29	$20.27
230842CJ	WR92E1250LCP	15.6	+12 @ 1.3	30.95	27.86	25.07	22.56
230851CJ	WR92G1200LCP ✪	18.0	+15 @ 1.2	26.99	24.52	22.29	20.27
230877CJ	WR92I750LCP	16.8	+24 @ 0.75	26.99	24.52	22.29	20.27

For Open-Frame Medical Power Supplies see page 160.

"Slim Line" Regulated Switching Wall Adapters



Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips / surge protectors.

A Jameco EXCLUSIVE

We'll Brand the Adapters With Your Company Name
Call 1-800-831-4242 for Details



- 2-wire AC input
- Input voltage: 100 – 240VAC@47-63Hz
- Output cord length: 6'
- Output connector: 2.1mm x 5.5mm F2 (center positive)
- Color: black
- One year warranty

Part Number	Product Number	Output Rating Volt (VDC)	Output Rating Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 50	Pricing 100
251563CJ	S08AA033150	3.3	1500	2.5x1.1x1.7	0.2	$12.05	$10.93	$10.09	$9.74
251598CJ	S15AA033250	3.3	2500	2.9x1.3x2.2	0.3	12.65	11.47	10.59	10.22
252700CJ	S08AB050050	5.0	500	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.34
252718CJ	S08AB050100	5.0	1000	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252726CJ	S08AB050150	5.0	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.21
252734CJ	S15AB050250	5.0	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252751CJ	S08AD090050	9.0	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74
252769CJ	S08AD090090	9.0	800	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252777CJ	S15AD090120	9.0	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252785CJ	S15AS090170	9.0	1500	2.9x1.3x2.2	0.3	13.75	12.47	11.52	11.11
252793CJ	S08AE120025	12.0	250	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33
252806CJ	S08AE120050	12.0	500	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252814CJ	S08AE120070	12.0	600	2.5x1.1x1.7	0.2	$12.65	$11.47	$10.59	$10.22
252822CJ	S15AE120100	12.0	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252831CJ	S15AE120140	12.0	1250	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252881CJ	S08AF150013	15.0	130	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33
252890CJ	S08AF150050	15.0	500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
254756CJ	S15AF150080	15.0	800	2.9x1.3x2.2	0.2	13.15	11.94	10.99	10.60
252902CJ	S15AF150120	15.0	1000	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252849CJ	S08AH240013	24.0	130	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33
252857CJ	S08AH240025	24.0	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252865CJ	S15AH240050	24.0	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252873CJ	S15AH240063	24.0	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52

Interchangeable-Plug Wall Adapters

- Field changeable AC Plugs (sold separately, see below)
- Power-On LED
- Input voltage: 90-264VAC@47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive
- Regulated output
- Double insulated
- Class B EMI



228814CJ shown with plug clip not included



228849CJ shown with plug clip included

SALE

PHIHONG

4 to 5-Watt Wall Adapters (Plug clip required, see below)

- Applications: PDAs, digital cameras, MPEG players, personal electronics
- Dimensions: 2.8"L x 1.8"W x 1.2"H
- Efficiency: 60% min.
- Weight: 0.3 lbs.

Part No.	Manufacturer	Product No.	Power (W)	Output Voltage (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	1	5	25	100
228734CJ	Phihong	PSA05R-033	4.0	3.3	1.2	50	±1%	±5%	$16.69	$15.15	$13.79	$12.44
228751CJ	Phihong	PSA05R-090	5.0	9.0	0.56	90	±1%	±5%	16.69	15.15	13.79	12.44

6 to 10-Watt Wall Adapters (Plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking
- Dimensions: 3.4"L x 2.1"W x 1.4"H
- Efficiency: 65% typical
- Weight: 0.3 lbs.

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Part No.	Manufacturer	Product No.	Power (W)	Output Voltage (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	1	5	25	100
228785CJ	Phihong	PSA11R-033	6.6	3.3	2.0	50	±1%	±5%	$16.99	$15.42	$14.02	$12.75
228814CJ	Phihong	PSA11R-120	10.0	12.0	0.83	120	±1%	±5%	17.69	16.07	15.15	14.24

15 to 20-Watt Wall Adapters with LoadSense™ (Plug clip required, see below)

- Senses and controls the voltage out the connector, eliminating the effect of a voltage drop in the cable
- Applications: peripherals, portable equipment, gaming machines, point-of-sale equipment, network equipment
- Dimensions: 3.9"L x 2.5"W x 1.4"H
- Efficiency: 70% Typical
- Weight: 0.6 lbs.

SALE

PHIHONG

Part No.	Manufacturer	Product No.	Power (W)	Output Voltage (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	1	5	25	100
228849CJ	Phihong	PSA21R-120	20.0	12.0	1.67	120	±1%	±2%	$27.15	$24.65	$23.32	$21.99
228857CJ	Phihong✪	PSA21R-150	20.0	15.0	1.33	150	±1%	±2%	26.19	23.80	22.49	21.70
228873CJ	Phihong✪	PSA21R-240	20.0	24.0	0.83	240	±1%	±2%	26.19	23.80	21.64	19.67

AC Plug Clips and Plug Clip Kits (sold separately, required for above adapters)

Part No.	Manufacturer	Product No.	Description	1	10	50	100
229155CJ	Phihong ✪	RPA	USA Plug	$.53	$.51	$.50	$.49
229163CJ	Phihong	RPE	European Plug	.61	.59	.58	.57
229180CJ	Phihong	RPKIT	Kit w/ RPA/RPE/RPK/RPS (AUST)	2.65	2.39	2.32	2.25

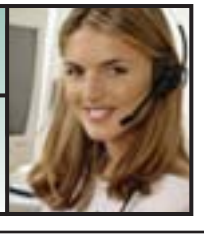
✪ Blue Part No. = Limited Quantity Available



PHIHONG

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 269.



2-Wire AC Input – AC-to-DC Regulated Switching Wall Adapters

NEW

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 131) on any DC wall adapter listed (100 pc. minimum).


236751CJ


308048CJ

Polarity 1 ⊕—(•—⊖ (center negative)
Polarity 2 ⊖—(•—⊕ (center positive)


Female

c UL SP UL CE


216442CJ


249324CJ

Part Number	Brand▲	Product Number▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
230543CJ	Phihong	PSA05A-050	5	1000	2.1mm x 5.5mm F **2**	90-264@47-63	2.4 x 1.8 x 1.0	Black	4'	0.4	UL/CUL	$10.95	$9.86	$7.88	$5.91
228881CJ	Phihong	PSC10A-050	5	2000	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.09	11.88	11.12	10.36
210893CJ	ReliaPro	S15AB050200	5	2000	2.5mm x 5.5mm F **2**	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.25	12.86	11.54	9.63
236751CJ	GlobTek	WR92A2600CCP†	5	2600	2.1mm x 5.5mm F **2**	100-240@50-60	2.9 x 1.9 x 1.6	Black	6'	0.5	UL/CUL/TUV/CE	13.49	12.15	10.95	9.85
319880CJ	Mean Well	ES18U05-PIJ	5	3000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
228937CJ	Phihong	PSC15A-050	5	3000	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
379621CJ	Mean Well	ES25U05-P1J	5	4000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380322CJ	Mean Well	ES25U05-P1M	5	4000	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380007CJ	Mean Well	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380331CJ	Mean Well	ES25U07-P1M	7.5	2930	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
228890CJ	Phihong	PSC10A-090S	9	1100	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.79	11.99	10.99	10.49
228945CJ	Phihong	PSC15A-090	9	1600	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
319898CJ	Mean Well	ES18U09-PIJ	9	2000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
380138CJ	Mean Well	ES25U09-P1J	9	2780	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380349CJ	Mean Well	ES25U09-P1M	9	2780	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
229753CJ	Phihong	PSC10A-120S	12	830	2.1mm x 5.5mm F **2**	90-132@ 57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.95	11.89	10.99	10.59
228953CJ	Phihong	PSC15A-120	12	1250	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
312864CJ	Mean Well	ES18U12-P1J	12	1500	2.1mm x 5.5mm F **2**	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	12.29	11.35	10.62	9.89
380154CJ	Mean Well	ES25U12-P1J	12	2080	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380357CJ	Mean Well	ES25U12-P1M	12	2080	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
319919CJ	Mean Well	ES18U15-PIJ	15	1200	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380171CJ	Mean Well	ES25U15-P1J	15	1670	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380365CJ	Mean Well	ES25U15-P1M	15	1670	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380189CJ	Mean Well	ES25U18-P1J	18	1390	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380373CJ	Mean Well	ES25U18-P1M	18	1390	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
228929CJ	Phihong	PSC10A-240S ✪	24	420	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	11.95	11.46	10.99	10.49
228970CJ	Phihong	PSC15A-240	24	620	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
319927CJ	Mean Well	ES18U24-PIJ	24	750	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380200CJ	Mean Well	ES25U24-P1J	24	1040	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380390CJ	Mean Well	ES25U24-P1M	24	1040	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380218CJ	Mean Well	ES25U28-P1J	28	890	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380402CJ	Mean Well	ES25U28-P1M	28	890	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380234CJ	Mean Well	ES25U36-P1J	36	690	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380411CJ	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380242CJ	Mean Well	ES25U48-P1J	48	520	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380445CJ	Mean Well	ES25U48-P1M	48	520	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
Other Manufacturers — Great Deals														Quantity SAVE	
225995CJ	Delta Electronics	ADP-5DB	5	1000	2.5mm x 5.5mm F **2**	100-120@50-60	2.5 x 1.8 x 1.1	Black	6'	0.2	UL	$10.95	$9.85	$7.89	$5.89
308048CJ	Potrans	UWP010210500	5	1500	2.1mm x 5.5mm right angle F **2**	100-240@60	2.8 x 1.4 x 2.1	Black	10'2"	0.5	UL/CUL	11.75	9.88	9.51	8.55
216442CJ	AK II Power Supply	AO5C1-05MP	5	1600	2.5mm x 5.5mm F **2**	100-240@50-60	2.2 x 1.8 x 1.1	Black	6'	0.4	UL/CUL/CE	12.95	11.65	10.49	9.49
308689CJ	Fairway Elec.	WN10A-050	5	2000	2.5mm x 5.5mm F **2**	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.4	UL/CUL/TUV/CE	11.39	10.45	9.98	9.50
189190CJ	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F **1**	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	12.49	11.24	8.99	6.74
210892CJ	—	EPA101MU	5	2000	2.5mm x 5.5mm F **2**	100-240@50-60	3.2 x 2.4 x 1.3	Black	6'	0.4	UL/CUL	12.95	11.66	9.32	6.99
248743CJ	MEI	EPA-101M-05A	5	2500	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.4 x 1.4	Black	6'	0.5	UL/CUL	13.49	12.14	9.71	7.28
305066CJ	Ault	SC102TA0503B01	5	3000	2.5mm x 5.5mm F **2**	100-240@47-63	2.9 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	11.65	10.76	9.59	7.19
308671CJ	Highpower	HPW-1009U	9	1110	2.1mm x 5.5mm F **2**	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.3	UL/CUL/TUV/CE	11.89	10.97	10.24	9.50
249324CJ	Philips	A600M101	12	500	2.1mm x 5.5mm F **2**	100-240@50-60	2.4 x 1.8 x 1.0	Black	6'	0.4	UL/CSA	13.19	11.89	9.49	7.15
298054CJ	DVE	DSA-009-12A	12	750	2.1mm x 5.5mm F **2**	90-132@47-63	2.7 x 1.1 x 1.8	Black	6'	0.3	UL/CUL	11.89	10.70	8.56	6.42
235096CJ	DVE	DSA-0151A-12S	12	1250	2.1mm x 5.5mm F **2**	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.3	UL/CUL	13.49	12.14	9.71	7.28
320311CJ	Gilat	E040105E	24	1670	2.1mm x 5.5mm F **2**	100-240@50-60	3.9 x 2.4 x 1.6	Black	6'	0.7	UL/CUL	14.95	12.95	10.95	9.95

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek † 3-wire AC input ✪ Blue Part No. = Limited Quantity Available

AC-to-DC Wall Adapters continued on pages 185 - 187

Save Big! Special Values!

New Products = Pink
Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

2-Wire AC Input – AC-to-DC Regulated Linear Wall Adapters

A Jameco EXCLUSIVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 131) on any DC wall adapter listed (100 pc. minimum).

• One-year warranty



Polarity 1 ⊕—c—⊖ (center negative) Polarity 2 ⊖—c—⊕ (center positive)



Part Number	Brand▲	Product Number▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
164101CJ	ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F **2**	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	$10.95	$9.86	$8.87	$7.98
220935CJ	ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F **1**	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	12.29	11.06	8.85	6.64
196411CJ	ReliaPro	DDU050100	5	1000	2.1mm x 5.5mm F **2**	120@60	3.3 x 2.2 x 1.9	Ivory	6'	1.0	UL/CUL	12.05	10.84	9.76	8.78
168605CJ	ReliaPro	DBU050100	5	1000	2.5mm x 5.5mm F **2**	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.55	11.54	10.62	9.12
190512CJ	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F **2**	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	7.65	6.89	5.98	4.47
220898CJ	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F **1**	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.65	7.77	6.22	4.66
162996CJ	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.86	8.87	7.98
170245CJ	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	15.35	13.82	11.05	8.29
249244CJ	ReliaPro	DFU120150 ✪	12	1500	2.1mm x 5.5mm F **2**	120@60	3.3 x 2.7 x 2.2	Black	6'	0.4	UL/CUL	16.45	14.80	13.32	11.99
174861CJ	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F **2**	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
174879CJ	ReliaPro	RFU240050	24	500	2.5mm x 5.5mm F **2**	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
Other Manufacturers — Great Deals														Quantity SAVE	
236435CJ	APX	AP2814	5	300	1.3mm x 3.5mm right angle F **2**	120@60	2.9 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	~~$7.15~~ $6.49	$5.84	$4.67	$3.50
319847CJ	—	DV-530R	5	300	2.5mm x 5.5mm F **2**	120@60	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	7.15	6.45	5.79	4.81
289182CJ	AESP	AD-5600RDU	5	600	2.1mm x 5.5mm F **2**	120@60	3.1 x 2.8 x 1.9	Black	6'	0.9	UL/CUL	10.49	9.45	7.55	5.65
319986CJ	—	DV-580R	5	800	2.5mm x 5.5mm F **2**	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	8.05	7.25
297941CJ	—	JOD-480-08	5	1000	2.5mm x 5.5mm F **2**	120@60	3.1 x 2.3 x 1.9	Black	6'	0.9	UL	10.99	9.24	8.90	8.00
228726CJ	ORB	777-052000S-UF	5	2000	2.1mm x 5.5mm F **2**	100@60	3.1 x 2.1 x 1.5	Black	5'	0.5	UL/CUL	12.95	11.66	10.49	9.44
190511CJ	Salom Electric	SADB-0885	6	200	2.1mm x 5.5mm F **2**	115@60	2.6 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	6.89	6.21	5.38	4.02
283573CJ	—	DC600500	6	500	2.1mm x 5.5mm F **2**	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.85	7.06	5.65	4.24
190529CJ	NOMA	AD9123	9	250	2.5mm x 5.5mm right angle F **2**	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	7.15	6.44	5.12	3.85

▲ Brand and Product Number may vary except for ReliaPro, Mean Well, Phihong and Globtek ✪ Blue Part No. = Limited Quantity Available

2-Wire AC Input – AC-to-DC Unregulated Wall Adapters

A Jameco EXCLUSIVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 131) on any DC wall adapter listed (100 pc. minimum).

• Input: 120VAC @ 60Hz • One-year warranty



Polarity 1 ⊕—c—⊖ (center negative)



Polarity 2 ⊖—c—⊕ (center positive)

Part Number	Brand	Product Number	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
112070CJ	ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F **2**	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	$8.05	$7.25	$6.52	$5.87
155601CJ	ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	5.19	4.67	4.20	3.50
119255CJ	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F **1**	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	4.75	4.28	3.85	3.46
101266CJ	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.59	4.28	3.42	2.57
15544CJ	ReliaPro	DBU060050	6	500	3.5mm M **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.75	4.25	3.82	3.44
147707CJ	ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.45	4.94	4.46	4.02
220943CJ	ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	7.15	6.42	5.14	3.85
220951CJ	ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	10.09	9.09	7.28	5.46
280250CJ	ReliaPro	DDUO75110	7.5	1100	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	5.49	4.73	4.61
127511CJ	ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F **2**	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.88	7.09	6.38
Other Manufacturers — Great Deals														Quantity SAVE	
237227CJ	Freeplay	DX351307	4.5	100	1.3mm x 3.5mm F **2**	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	$1.95	$1.76	$1.40	$1.05
243070CJ	Regal	WH045300-10N	4.5	300	2.1mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	2.95	2.66	2.12	1.59
320303CJ	Globtek	WRIA1000CCP-N	5	1000	2.1mm x 5.5mm F **2**	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.89	8.89	7.99
219651CJ	—	FE4823-050E120	5	1200	2.5mm x 5.5mm F **2**	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	5.15	4.76	3.81	2.86
308697CJ	Both Hand	MI-10505	5	2000	2.1mm x 5.5mm F **2**	2.2 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	10.65	9.59	7.67	5.75
237251CJ	Freeplay	DPX350817	6	100	2.1mm x 5.5mm F **2**	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.59	2.85	2.15
243117CJ	Regal	WH060200-10N	6	200	2.5mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.59	2.85	2.15
302439CJ	—	AD-0630M	6	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.99	3.59	2.87	2.15
201451CJ	APX Technologies	AP4733	6	700	2.1mm x 5.5mm F **2**	2.6 x 1.9 x 1.4	Black	6'	0.5	UL/CUL	4.95	4.46	3.56	2.67
227951CJ	—	JOD-48U-33	6	2100	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.95	7.16	5.72	4.29
248751CJ	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F **2**	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.49	5.85	4.69	3.50
249279CJ	AESP	FO-AC-4305	7.5	1000	2.1mm x 5.5mm right angle F **2**	3.2 x 2.0 x 1.7	Black	6'	0.8	UL/CUL	6.95	6.25	5.65	5.09
230623CJ	—	MKD-48752100	7.5	2100	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.95	7.15	5.75	4.29

More AC-to-DC Wall Adapters listed on pages 184 & 186 – 187

AC-to-DC Unregulated Wall Adapters

JAMECO ReliaPro ✓ Reliable & Consistent ✓ Professional Grade ✓ Awesome Prices ✓ Backed by Jameco

Color Code Legend: New Sale Lower$ QtySave

JAMECO ReliaPro — A Jameco EXCLUSIVE — NEW — Quantity SAVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 131) on any DC wall adapter listed (100 pc. minimum).

• Input: 120VAC @ 60Hz • One-year warranty

Polarity 1 ⊕—(•—⊖ (center negative)  Female  Male Polarity 2 ⊖—(•—⊕ (center positive)


219601CJ


227774CJ

Part Number	Brand	Product Number	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
100845CJ	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F **2**	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	$4.35	$3.95	$3.18	$2.37
134025CJ	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F **1**	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.45	4.90	3.92	2.94
100837CJ	ReliaPro	DBU090020	9	200	3.5mm M **2**	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	4.35	3.95	3.58	3.25
133891CJ	ReliaPro	DBU090030	9	300	2.1mm x 5.5mm F **2**	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.91	3.12	2.34
189238CJ	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.69	3.95	3.25	2.59
318676CJ	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.29	3.83	3.37	3.20
202155CJ	ReliaPro	DBU090035	9	350	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	3.65	3.26	2.93	2.64
140636CJ	ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F **2**	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	4.59	4.17	3.73	3.36
202171CJ	ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	4.35	3.91	3.13	2.35
163627CJ	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.35
100853CJ	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.45	4.90	4.41	3.97
147731CJ	ReliaPro	AD-11950	9	500	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	3.79	3.45	3.39	3.29
236937CJ	ReliaPro	DCU090050A	9	500	2.5mm x 5.5mm right angle F **2**	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.35	5.72	5.14	4.63
15561CJ	ReliaPro	DCU090050	9	500	3.5mm M **2**	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	5.35	4.81	4.33	3.90
202180CJ	ReliaPro	DCU090060	9	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.39	4.83	4.35	3.68
100175CJ	ReliaPro	DCU090060	9	600	2.5mm x 5.5mm F **2**	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.22	4.68	4.35
202198CJ	ReliaPro	DCU09080	9	800	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.65	6.89	6.20	5.58
364576CJ	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.75	7.87	6.98	6.06
127504CJ	ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.25	7.42	6.68	5.55
15587CJ	ReliaPro	DDU090100	9	1000	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
130526CJ	ReliaPro	DDE090120	9	1200	2.1mm x 5.5mm F **1**	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.85	8.86	7.08	5.31
143693CJ	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F **2**	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	10.95	9.86	7.65	5.70
163993CJ	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F **1**	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.25	4.73	4.25	3.83
100095CJ	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm F **2**	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.92	3.12	2.34
158043CJ	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.95	4.46	4.01	3.61
220433CJ	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	4.85	4.35	3.91	3.52
185658CJ	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.29	4.74	3.79	2.85
219601CJ	ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	4.35	3.91	3.12	2.34
318692CJ	ReliaPro	DBU120030	12	300	1.3mm x 3.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.52
127976CJ	ReliaPro	DCU120030	12	300	2.1mm x 5.5mm F **2**	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.25	4.73	3.78	2.84
249236CJ	ReliaPro	DBU120030	12	300	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	5.35	4.23	3.73	3.40
190502CJ	ReliaPro	ADA-410	12	400	2.1mm x 5.5mm right angle F **2**	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.35	6.62	5.30	4.00
114825CJ	ReliaPro	DCU120050	12	500	Connector end may vary	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.25	4.78	3.80	2.85
15368CJ	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.15	6.44	5.79	5.21
102496CJ	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.79	4.58	4.00	3.81
131300CJ	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm right angle F **2**	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
102277CJ	ReliaPro	DCU120050U	12	500	2.5mm x 5.5mm F **2**	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
17267CJ	ReliaPro	DCU120050	12	500	3.5mm M **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
202201CJ	ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.45	4.90	3.91	2.96
202219CJ	ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.69	5.14	4.11	3.08
121232CJ	ReliaPro	DDU120080	12	800	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	6.79	6.13	4.91	3.67
117479CJ	ReliaPro	DDU120080	12	800	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.65	6.89	6.20	5.58
Other Manufacturers — Great Deals														
308056CJ	—	A40910M	8.7	1000	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	$7.95	$7.15	$6.45	$5.35
265480CJ	Uniden	AD-600B	9	100	2.1mm x 5.5mm right angle F **2**	2.1 x 1.4 x 1.4	Black	6'	0.3	UL/CSA	3.49	3.14	2.51	1.88
265498CJ	Uniden	AD-600W	9	100	2.1mm x 5.5mm right angle F **2**	2.1 x 1.4 x 1.4	White	6'	0.3	UL/CSA	3.49	3.14	2.51	1.88
355936CJ	—	35-9-200C	9	200	1.3mm x 3.5mm F **2**	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.79	3.07	2.72	2.59
237243CJ	Freeplay	DPX351322	9	200	2.1mm x 5.5mm F **2**	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.79	3.45	3.15	2.79
191767CJ	—	CTPS350903002C0	9	300	1.3mm x 3.5mm right angle F **2**	2.3 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	4.19	3.77	3.02	2.26
189237CJ	ACI World	35-9-300C	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	4.65	3.57	3.24	2.58
169519CJ	Panasonic	KX-TCA1	9	350	2.1mm x 5.5mm right angle F **1**	2.7 x 1.7 x 1.6	Dk. Gray	6'	0.4	UL/CSA	3.85	3.45	2.76	2.07
319177CJ	Explore Tech.	41-9-5000	9	500	2.1mm x 5.5mm F **2**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	3.59	3.23	2.58	1.94
170270CJ	Panasonic	PQLV1	9	500	2.1mm x 5.5mm right angle F **1**	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.46	3.56	2.67
164929CJ	—	DDU090100	9	900	2.1mm x 5.5mm F **1**	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	8.75	7.86	6.33	4.72
227774CJ	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F **2**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	7.95	7.15	5.75	4.29
285958CJ	APX	AP2072P	9	1000	2.5mm x 5.5mm F **2**	2.5 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	6.25	4.99	3.75
237067CJ	APS	D9-15-950	9	1500	2.5mm x 5.5mm F **2**	3.1 x 2.3 x 1.9	Black	6'	1.3	UL/CUL	9.95	8.96	7.16	5.37
355602CJ	Southwestern Bell	U120020D	12	200	2.1mm x 5.5mm F **2**	2.2 x 1.6 x 1.4	Black	6'	0.3	UL/CUL	3.89	3.50	2.80	2.10
211238CJ	Quotrek	35D-12-250	12	250	2.5mm right angle M **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.55	2.89	2.15
201099CJ	—	SPN4230A	12	300	1.3mm x 3.5mm right angle F **2**	2.3 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	4.99	4.49	3.59	2.69
355590CJ	Southwestern Bell	PS-400	12	400	2.1mm x 5.5mm F **2**	2.4 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	4.99	4.14	3.95	3.62
364120CJ	Condor	D7-10-01	12	500	Stripped & tinned	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	5.25	3.99	3.74	3.49
200125CJ	Noostuff Inc.	DV1250	12	500	2.5mm x 5.5mm F **1**	2.4 x 2.0 x 1.6	Black	6'	1.0	UL/CSA	4.25	3.82	3.06	2.30
305103CJ	—	AD1250-5LE	12	500	2.1mm x 5.5mm F **2**	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	4.89	4.40	3.52	2.64

More AC-to-DC Wall Adapters listed on pages 184 – 185 & 187

AC-to-DC Unregulated Wall Adapters



213559CJ

A Jameco EXCLUSIVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 131) on any DC wall adapter listed (100 pc. minimum).

• Input: 120VAC @ 60Hz • One-year warranty



313226CJ



320266CJ

Polarity 1 ⊕—•—⊖ (center negative)



Female



Male



Stripped

Polarity 2 ⊖—•—⊕ (center positive)

Quantity SAVE

Part Number	Brand▲	Product Number▲	Output Rating Voltage (VDC)	Output Rating Curr. (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
129331CJ	ReliaPro	DDU120080	12	800	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	$6.05	$5.44	$4.90	$4.46
100870CJ	ReliaPro	DDU120100	12	1000	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	8.99	8.09	7.28	6.55
105478CJ	ReliaPro	DDU120100	12	1000	2.5mm x 5.5mm F **2**	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.25	7.42	6.30	4.73
15392CJ	ReliaPro	DDU120100	12	1000	3.5mm M **2**	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
213559CJ	ReliaPro	GPC-081	12	1000	Auto lighter power outlet	4.3 x 2.2 x 1.9	Black	—	1.1	UL/CUL	13.95	12.56	10.04	7.53
196779CJ	ReliaPro	DDU120120	12	1200	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036CJ	ReliaPro	DDU120150	12	1500	2.1mm x 5.5mm F **1**	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.25	12.82	10.29	7.69
313226CJ	ReliaPro	DFU120150	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	11.45	10.40	9.33	8.30
136881CJ	ReliaPro	DFU120150	12	1500	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.25	12.82	11.54	10.39
101291CJ	ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	11.45	10.30	9.27	8.35
308099CJ	ReliaPro	DDU135100	13.5	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.95	8.09	7.16	6.22
212812CJ	ReliaPro	DBU140020	14	200	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	3.35	3.07	2.80	2.52
212821CJ	ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	4.95	4.45	3.55	2.66
123932CJ	ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.73	5.05
202243CJ	ReliaPro	DDU140070	14	700	2.5mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.8	UL/CUL	7.99	7.18	5.74	4.31
202260CJ	ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	8.75	7.65	6.88	6.15
190001CJ	ReliaPro	DCU150050	15	500	2.1mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.15	6.42	5.14	3.85
189982CJ	ReliaPro	DCU150050	15	500	2.5mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
155803CJ	ReliaPro	DDU150060	15	600	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	9.85	8.86	7.09	5.31
232258CJ	ReliaPro	DDU150080	15	800	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL	9.35	8.41	6.73	5.05
203502CJ	ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F **2**	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	7.65	6.89	5.51	4.13
151992CJ	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F **1**	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	9.35	8.41	6.72	5.04
191652CJ	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.55	9.50	8.55	7.69
162317CJ	ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F **2**	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	8.75	7.65	6.86	6.15
181729CJ	ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	7.65	6.89	5.50	4.12
163272CJ	ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F **2**	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	10.95	9.86	8.38	6.28
206958CJ	ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285CJ	ReliaPro	DDU240040	24	400	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635CJ	ReliaPro	DDU240050	24	500	2.1mm x 5.5mm F **1**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.86	7.08	5.31
191556CJ	ReliaPro	DDU240050	24	500	2.5mm x 5.5mm F **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.89	7.98	6.66
139088CJ	ReliaPro	DDU240050	24	500	3.5mm M **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.75	7.88	6.29	4.72
168495CJ	ReliaPro	DFU240080	24	800	2.1mm x 5.5mm F **2**	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.05	10.85	8.67	6.50
220960CJ	ReliaPro	DFU240100	24	1000	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	15.29	14.25	12.53	11.98
249130CJ	ReliaPro	AFU240120/G8530	24	1200	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249121CJ	ReliaPro	DFU240120/G8520	24	1200	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249113CJ	ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
199523CJ	ReliaPro	DDU300050	30	500	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.86	8.87	7.43
215095CJ	ReliaPro	MW48-4800250	48	250	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	7.95	7.15	6.49	5.79
230631CJ	ReliaPro	MW48-4800250-2.1	48	250	2.1mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	UL/CUL	7.95	7.16	5.72	4.29
215108CJ	ReliaPro	MW48-4800500	48	500	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.85	8.85	7.95
230640CJ	ReliaPro	MW48-480500-2.1	48	500	2.1mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	UL/CUL	11.95	10.76	8.60	6.45
Other Manufacturers — Great Deals														
320266CJ	CUI	DV-1280	12	800	2.1mm x 5.5mm F **2**	2.4 x 2.4 x 2.0	Black	6'	0.8	UL/CSA	$6.09	$5.49	$4.39	$4.39
237358CJ	QSE	P155-D150567	12	800	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 1.9	Black	6'	0.9	UL	5.19	4.69	3.75	2.79
211051CJ	Calrad †	DV-1280 Dual	12	800	2.5mm x 5.5mm rt angle F **2** w/ input switch	2.6 x 2.4 x 1.9	Black	6'	0.9	None	4.85	4.36	3.49	2.62
240101CJ	—	FW3288	12	1000	2.1mm x 5.5mm F **2**	3.8 x 2.4 x 2.2	Black	6'	1.0	UL/CSA	~~$7.49~~ 6.99	5.99	3.59	2.69
199566CJ	Superworld	WK1201A01DN	12	1000	2.5mm x 5.5mm F **2** (w/ RF filter)	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	6.95	6.26	5.63	5.07
189579CJ	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F **2**	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.75	7.91	6.32	4.79
189211CJ	ACI World	57-12-1500D	12	1500	8-pin mini DIN M	3.4 x 2.6 x 2.2	Black	3'4"	1.7	UL/CUL	5.45	4.94	3.95	2.96
371987CJ	New Star	NS-889	13	1200	2.1mm x 5.5mm F **2**	3.6 x 2.4 x 1.9	Black	6'	1.2	UL	6.59	5.30	4.65	4.41
192786CJ	—	MK135100	13.5	1000	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 2.0	Black	6'	1.0	UL/CSA	3.79	3.43	3.12	2.84
129314CJ	—	DV-1250	14	360	2.5mm x 5.5mm right angle F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.19	4.67	3.74	2.80
220901CJ	Drake	3690454	16	250	Stripped & tinned	2.2 x 2.1 x 1.6	Black	6'	0.8	UL/CSA	2.95	2.66	2.12	1.59
217541CJ	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F **2** w/ LED indicator	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	4.45	4.00	3.20	2.40
217568CJ	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F **2** w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	~~$5.99~~ 5.49	4.94	3.95	2.96
206957CJ	GlobTek	WD1H1000LCX	18	1000	2.5mm x 5.5mm F **2**	3.4 x 2.6 x 2.1	Black	6'	1.4	None	9.95	8.96	7.16	5.37
196322CJ	3Com	P48240600A020G	24	600	2.1mm x 5.5mm F **2**	3.3 x 2.3 x 1.9	Black	6'	1.1	UL/CSA	8.95	8.05	6.85	5.15
15309CJ	—	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.49	8.54	7.69	6.92
190641CJ	—	DCM08 ✪	3, 4.5, 6, 7.5, 9, 12	800	1.5 x 5.5, 2.1 x 5.0, 2.1 x 5.5, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, polarity sw. (LED ind.)	3.9 x 2.7 x 2.3	Black	6'	0.9	UL/CSA	7.95	7.19	5.75	4.29
123158CJ	—	900-100 †	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	10.95	9.86	8.87	7.98

† 120 to 220VAC ▲ Brand and Product Number may vary except for ReliaPro, Mean Well, Phihong and Globtek ✪ Blue Part No. = Limited Quantity Available

More AC-to-DC Wall Adapters listed on pages 184 - 186

2-Wire AC Input – AC-to-AC Wall Adapters

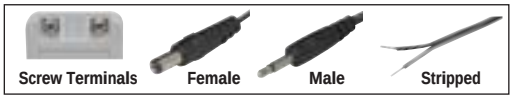
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We will change any power plug (pg 131) on any DC wall adapter listed (100 pc. minimum).


236814CJ


233293CJ



A Jameco EXCLUSIVE


206421CJ


240119CJ

- Input: 120VAC @ 60Hz
- One-year warranty

Quantity SAVE

Part Number	Brand▲	Product Number▲	Output Rating Voltage (VAC)	Output Rating Current (mA)	Output Connector ID x OD Plug Type F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
249017CJ	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	**$5.69**	**$5.16**	**$4.72**	**$3.95**
100061CJ	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm **F**	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	**5.05**	**4.53**	**3.63**	**2.73**
236814CJ	ReliaPro	ACU090080	9	800	3.5mm **M**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	**5.45**	**4.93**	**4.46**	**4.02**
102234CJ	ReliaPro	ACU090100	9	1000	2.1mm x 5.5mm **F**	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	**6.05**	**5.44**	**4.90**	**4.41**
157041CJ	ReliaPro	ACU090100	9	1000	2.5mm x 5.5mm **F**	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	**7.65**	**6.89**	**6.20**	**5.58**
112336CJ	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	**10.95**	**9.86**	**8.87**	**7.98**
101258CJ	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	**5.05**	**4.54**	**3.64**	**2.73**
10081CJ	ReliaPro	ACU120100	12	1000	2.1mm x 5.5mm **F**	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	**5.69**	**5.14**	**4.62**	**4.16**
100167CJ	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm **F**	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	**5.69**	**5.12**	**4.61**	**4.15**
10428CJ	ReliaPro	ACU120100	12	1000	3.5mm **M**	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	**5.69**	**5.14**	**4.11**	**3.08**
167151CJ	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	**5.45**	**4.94**	**4.39**	**3.69**
307838CJ	ReliaPro	ADU120160	12	1600	2.5mm x 5.5mm **F**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	**13.95**	**11.19**	**9.79**	**9.30**
153761CJ	ReliaPro	ADU120160	12	1600	3.5mm **M**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	**12.05**	**10.84**	**9.76**	**8.78**
171408CJ	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm **F**	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	**4.95**	**4.44**	**3.55**	**2.66**
318684CJ	ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	**11.95**	**9.00**	**8.03**	**6.85**
100108CJ	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	**8.75**	**7.88**	**6.30**	**4.73**
163053CJ	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm **F**	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	**9.85**	**8.79**	**7.08**	**5.31**
121216CJ	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm **F**	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	**9.85**	**8.86**	**7.98**	**6.77**
87581CJ	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	**5.69**	**5.12**	**4.61**	**4.15**
140599CJ	ReliaPro	ADU240100	24	1000	2.1mm x 5.5mm **F**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	**9.85**	**8.90**	**7.14**	**5.38**
10102CJ	ReliaPro	ADU240100	24	1000	3.5mm **M**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	**8.75**	**7.88**	**6.30**	**4.73**
176356CJ	ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	**11.55**	**10.40**	**8.32**	**6.24**
Other Manufacturers — Great Deals														
101127CJ	Siemens	DFX10096B	7	1500	2.5mm x 5.5mm **F**	1.9 x 2.2 x 2.0	Black	7'6"	0.8	UL/CSA	**$5.45**	**$4.90**	**$3.92**	**$2.94**
219660CJ	Sincore	SLA40810	8	1000	2.1mm x 5.5mm **F**	2.2 x 2.1 x 1.6	Black	6'	0.7	UL/CSA	**1.95**	**1.76**	**1.40**	**1.16**
210729CJ	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm **F**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	**3.95**	**3.55**	**2.84**	**2.13**
184751CJ	PhoneMate	M/N40	9	450	2.1mm x 5.5mm right angle **F**	2.8 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	**4.59**	**4.13**	**3.30**	**2.48**
226131CJ	US Robotics	AA0950	9	500	2.5mm x 5.5mm **F**	2.5 x 2.1 x 1.7	Black	6'	0.5	UL/CSA	**4.49**	**4.04**	**3.23**	**2.42**
249295CJ	Pacrim	41A-9-700	9	700	2.5mm x 5.5mm **F**	2.3 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	**4.49**	**3.99**	**3.65**	**3.29**
233293CJ	Horizon	ACU090080	9	800	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL	**5.15**	**4.67**	**3.73**	**2.80**
355531CJ	—	MW41-0901000A	9	1000	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	**4.45**	**4.00**	**3.20**	**2.40**
320258CJ	US Robotics	T48091500A010G	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CSA	**8.95**	**8.05**	**7.25**	**6.55**
217550CJ	Frino	FW6798	9	1900	Stripped and tinned	2.8 x 2.5 x 2.0	Black	6'8"	1.1	UL/CSA	**8.49**	**7.64**	**6.11**	**4.58**
210745CJ	Leader Electronics	A4110050T	10	500	2.1mm x 5.5mm **F**	3.0 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	**2.65**	**2.39**	**2.19**	**1.99**
265455CJ	—	FW6199	12	200	2.1mm x 5.5mm **F**	2.1 x 1.9 x 1.9	Black	6'7"	0.5	UL	**1.95**	**1.76**	**1.40**	**1.05**
211271CJ	Orig. Elec. Mfg.	AA-1250	12	500	2.5mm x 5.5mm **F**	2.3 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	**4.59**	**4.13**	**3.30**	**2.48**
355581CJ	Code-A-Phone	DV-1283-2.1	12	830	2.1mm x 5.5mm **F**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	**4.99**	**4.49**	**3.59**	**2.69**
285069CJ	Shogyo	DV-1283	12	830	2.5mm x 5.5mm **F**	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	**4.95**	**4.55**	**4.13**	**3.70**
309884CJ	—	AA-121A	12	1000	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	—	UL/CUL	**4.89**	**4.40**	**3.52**	**2.64**
206404CJ	MG Electronics	MGT1220	12	1670	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	**6.95**	**6.29**	**5.65**	**5.09**
210737CJ	ITE Power Supply	PPI-1212UL	13	1200	2.1mm x 5.5mm **F**	3.3 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	**5.45**	**4.94**	**3.95**	**2.96**
201101CJ	Motorola	SPN4340A	15	200	1.3mm x 3.5mm **F**	2.2 x 1.8 x 1.5	Black	6'	0.5	UL/CSA	**1.69**	**1.52**	**1.37**	**1.23**
227791CJ	Ault	T41180500A0206	18	500	2.1mm x 5.5mm **F**	2.6 x 1.9 x 1.7	Black	6'	1.1	None	**3.95**	**3.56**	**2.84**	**2.13**
185439CJ	Ault	T5182200-A020G	18	1850	2.1mm x 5.5mm right angle **F**	3.3 x 2.7 x 2.2	Black	6'	1.7	None	**8.25**	**7.42**	**5.94**	**4.46**
308718CJ	Comtrend	ACU-190051	19	510	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	**5.39**	**4.85**	**4.39**	**3.65**
206421CJ	MG Electronics	MGT2410	24	420	Screw terminals	2.5 x 2.0 x 1.7	White	—	0.6	UL/CSA	**6.49**	**5.84**	**5.26**	**4.73**
240119CJ	—	FW6798	24	500	2.5mm x 5.5mm **F**	2.8 x 2.5 x 2.2	Black	6'8"	0.8	UL/CSA	**4.95**	**4.46**	**3.56**	**2.67**
206439CJ	MG Electronics	MGT2420	24	830	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	**7.19**	**6.49**	**5.85**	**5.25**
305091CJ	Ault	3264024000A1	24	1600	3.5mm **M**	2.9 x 2.7 x 2.2	Black	6'	1.5	UL	**9.95**	**8.54**	**8.06**	**7.25**

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and Globtek

Compare our Awesome Prices in Power Supplies!

Jameco Part No.	Description	Jameco® Price	Digi-Key® Price	Mouser® Price	Savings	Discount
221751CJ	Table Top, Switching, +5V / +12V, 25W	**$27.95**	$118.00	$118.00	$90.05	76.3%
221701CJ	Table Top, Switching, +5V / +12V, 50W	**$48.95**	$124.00	$124.00	$75.05	60.5%
230711CJ	Table Top, Switching, 24V, 17W	**$28.95**	$35.78	$35.78	$6.83	19.1%
308697CJ	Wall Xfmr, Switching, 5VDC, 10W	**$10.65**	$15.88	$13.75	$3.10	22.5%
297941CJ	Wall Xfmr, Switching, 5VDC, 5W	**$10.99**	$15.88	$13.75	$2.76	20.1%
302439CJ	Wall Xfmr, Linear, 6VDC, 1.8W	**$3.99**	$6.09	$4.72	$0.73	15.5%

These are single unit prices taken from each party's website on June 2, 2005, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.
1-800-831-4242

6VAC/9VAC Dual Output Power Transformer

12VA

- Input voltage: 120VAC
- Output voltage: 6VAC @ 500mA center tap (blue wires); 9VAC @ 1A center tap (yellow wires)
- Size: 2.1"L x 3.2"W x 2.0"H • Weight: 1.3 lbs.



Part No.	Mfr. Cross Ref. No.	1	10	100
183089CJ	YS57H-099FAA	$3.95	$3.56	$2.84

120VAC to 120VAC Isolation Transformer

300VA

- Input voltage:120VAC @ 60Hz
- Input connector: 5.5' cord with 2-prong plug
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D • Weight: 7.0 lbs.



Quantity SAVE

Part No.	Mfr. Cross Ref. No.	1	10	100
181315CJ	ITR300	$44.95	$38.21	$28.66

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



Closed Open

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218173CJ	.64" x .20" x 1.15"	$.99	$.89	$.79
217841CJ	.78" x .34" x 1.40"	1.45	1.23	.92
318705CJ	.82" x .45" x 1.42"	1.39	1.29	1.25

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103667CJ and 109111CJ (disconnect .25" solderless terminals), pg 130
- Maximum current: 2.5A
- Shaft length: 0.5" • Panel mount
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs. • One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149323CJ	320VA variable	$53.95	$48.59	$43.75

550VA Variable AC Transformer

- Input voltage: 110VAC @ 60Hz
- Output voltage: 0-140VAC
- Rated current: 5A
- Panel mount
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- Weight: 6.8 lbs.
- One-year warranty



Part No.	Description	1	10	50
152936CJ	550VA variable	$62.95	$53.51	$47.88

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

500VA & 2000VA Variable Transformers



169640CJ

- Input voltage: 110VAC @ 60 Hz
- Power: 500 or 2000VA
- Output voltage: 0 to 130VAC
- Output analog voltmeter
- Input connector.: 3-prong plug w/ 5' cord
- Output connector: 3-prong outlet type
- Lighted on/off power switch

169640CJ: • 5A @ 250V fuse
- Size: 8.3"L x 6.5"W x 7.0"H
- Weight: 15.6 lbs.

169658CJ: • 20A @ 250V fuse
- Size: 9.8"L x 8.0"W x 7.0"H
- Weight: 26.5 lbs.



169658CJ

Part No.	Description	1	10	50
169640CJ	500VA trans.	$89.95	$80.96	$72.86
169658CJ	2000VA trans.	130.95	117.85	106.07

500-2000VA Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/ European output plugs
- Lighted on/off power switch



121275CJ

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121275CJ	3A/250V (P/N 69438CJ)	5.3 x 7.3 x 7.0	10.4
129007CJ	5A/250V (P/N 10401CJ)	9.4 x 6.5 x 7.7	14.8
152581CJ	10A/250V (P/N 69462CJ)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121275CJ	500VA trans.	$79.95	$69.95	$62.95
129007CJ	1000VA trans.	164.95	140.21	105.16
152581CJ	2000VA trans.	174.95	148.71	111.75

Power

International Step-Up and Step-Down Transformers

- Wide selection to meet your power requirements

SALE Quantity SAVE

Part No.	Mfr. Cross Ref. No.*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions H"	W"	D"	Weight (lbs.)	Pricing 1	10	100
99573CJ	AC110V50	1/A	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	$9.95	$8.99	$8.09
85016CJ	AC110V300	2/A	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	27.95	24.95	22.49
111851CJ	AC110V500	2/A	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	34.95	31.49	28.95
221250CJ	GSD-1000	2/A	Auto	220VAC	110VAC	1000	4.63	3.81	6.06	17.0	59.95	50.96	38.22
142906CJ	AC110V1500	2/A	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	79.95	71.95	63.69
99477CJ	AC220V50	1/B	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	8.95	8.09	7.25
221233CJ	P8638	2/B	Auto	110VAC	220VAC	125	3.13	2.50	3.00	3.0	15.25	13.84	12.58
85008CJ	AC220V300	2/B	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	27.95	23.76	17.82
221217CJ	P8689	2/B	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	61.95	57.55	43.85
221313CJ	G1SD-500	2/A	Isolation	220VAC	110VAC	500	4.69	3.75	6.00	16.0	78.95	67.11	50.33
222092CJ	G1SD-1000	2/A	Isolation	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	149.95	127.46	95.59
221330CJ	G1S-500	2/B	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	78.95	67.11	50.33

* Manufacturer may vary



Fig. 1

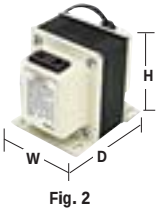


Fig. 2



Fig. A Plug



Fig. B Plug



Output Receptacle

AC-to-AC Table-Top Adapters & Enclosures

JAMECO ReliaPro

AC-to-AC Table-Top Step-Down Adapter

- Input voltage: 120VAC @ 60Hz
- Output current: 4.0A
- Output plug: 2.1mm (ID) x 5.5mm (OD) female
- Attached AC cord
- Agency approvals: CSA
- Size: 3.7"L x 2.9"W x 2.5"H
- Output volts: 16VAC
- Output watts: 64W
- Cord (AC/AC): 6'/6'
- Color: black
- Weight: 2.8 lbs.

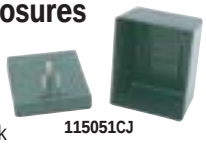
A Jameco EXCLUSIVE



Part No.	Manufacturer	Product Number	1	10	50
176604CJ	Jameco	TA661640	$14.25	$12.82	$11.54

Wall Adapter Enclosures

- Enclosures include 3-prong power plug and cable strain relief
- Size: 3.4"H x 2.7"W x 2.3"D
- Material: noryl • Color: black



115051CJ

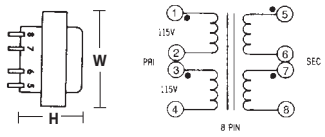
Part No.	Style	1	10	100
115051CJ	Non-vented	$2.25	$1.95	$1.69
115043CJ	Vented	2.25	1.95	1.69

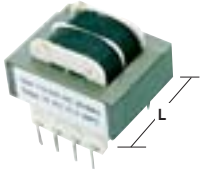
Split-Bobbin Power Transformers

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement

SALE





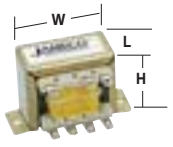
102517CJ

Part No.	Mfr. Cross Ref. No.	Triad Cross	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
221292CJ	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	$4.95	$4.21	$3.16
102533CJ	XFR1205SB	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.31	1.62	1.30	0.4	7.95	7.16	6.44
102517CJ	XFR1602SB	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.17	1.38	1.20	0.3	6.89	5.86	4.39
221284CJ	DSW-316	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.38	1.13	1.19	0.3	3.09	2.80	2.55
210921CJ	14A-10-Z0B21	—	115/230	10.0	10V @ .05A	10V @ 1.0A	20VCT @ 0.5A	1.88	1.56	1.38	0.5	3.69	3.36	3.05
210956CJ	DST2-24-845	—	115/230	1.1	12V @ .045A	12V @ .09A	24VCT @ .045A	1.13	1.13	0.94	0.2	6.49	5.85	5.25
176090CJ	SPT41240-120	FS24250	115/230	6.0	12V @ .25A	12V @ .50A	24VCT @ .25A	1.33	1.63	1.59	0.5	6.95	5.91	4.43
102592CJ	XFR2405SB	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	8.79	7.95	5.49
249412CJ	DST-5-16	—	115/230	12.8	8V @ .80A	8V @ 1.6A	16VCT @ .80A	1.57	1.88	1.42	0.6	8.95	8.09	7.25
148559CJ	XFR3603SB	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.72	0.7	7.49	6.69	6.05
210964CJ	LP40-300-B14	—	115/230	12.0	20V @ .30A	20V @ 0.6A	40VCT @ 0.3A	2.50	2.00	1.07	0.7	5.85	5.30	4.82
209015CJ	ST-6-48	—	115	19.2	24V @ .40A	24V @ .80A	48VCT @ .40A	1.88	2.25	1.40	0.8	2.59	2.32	2.11

Quick-Connect Power Transformers

- Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements
- Terminals: quick connect, solder
- Input voltage: 115/230VAC, 50-60Hz

Quantity SAVE



104387CJ

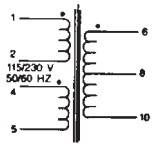


Fig. 1

Part No.	Mfr. Cross Ref. No.	Triad Cross	Fig.	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
104387CJ	XFR1225Q	FD612	1	115/230VAC	12.6VCT @ 2.5A	31.5	0.187"	1.75	2.33	2.00	1.3	$9.29	$7.90	$5.92
104408CJ	XFR1635Q	FD716	1	115/230VAC	16VCT @ 3.5A	56.0	0.187"	2.00	2.70	2.30	1.8	12.95	11.01	8.26
101864CJ	XFR2424Q	FD724	1	115/230VAC	24VCT @ 2.4A	57.6	0.187"	2.40	2.70	2.25	1.7	11.95	10.16	7.62
104416CJ	XFR3615Q	FD736	1	115/230VAC	36VCT @ 1.5A	54.0	0.187"	1.90	2.70	2.30	1.8	9.95	8.96	6.72

115VAC and 115/230VAC Power Transformers

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

- Primary: 115VAC or 115/230VAC, 50-60Hz



29225CJ

115VAC
50-60Hz

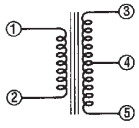


Fig.1

115/230VAC
50-60Hz

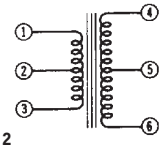


Fig. 2

115VAC
50-60Hz

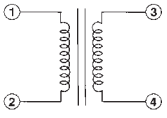
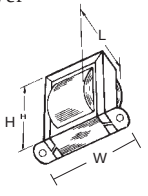


Fig. 3



Part No.	Mfr. Cross Ref. No.	Triad Cross	Primary Color Code			VA	Secondary Voltage	Secondary Color Code			Lead Type	Fig.	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
102162CJ	XFR6102	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	2	1.56	1.96	1.67	0.8	$8.49	$7.22	$5.41
105523CJ	XFR0910	—	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	2	1.79	1.96	1.66	0.7	6.95	5.91	4.43
221399CJ	P-8657	F218X	Black	—	Black	24.0	12VAC @ 2A	White	—	White	Wire	3	2.13	3.25	2.00	1.3	9.15	8.49	7.15
221356CJ	P-8658	F219X	Black	—	Black	48.0	12VAC @ 4A	White	—	White	Wire	3	2.25	4.00	2.63	2.3	12.95	11.95	9.95
29225CJ	XFR122	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	1	2.12	2.33	1.96	1.5	9.95	8.99	7.99
102154CJ	XFR1220	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	10.95	9.39	6.99
149770CJ	XFR1240	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	2	2.45	2.70	2.24	2.2	12.95	11.69	10.49
102120CJ	XFR124	F181U	Black	—	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.53	3.08	2.61	2.7	12.95	11.69	10.49
105531CJ	XFR1810	—	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	2	2.32	2.05	1.90	1.2	6.95	6.26	5.31
149956CJ	XFR1820	—	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	2	2.26	2.66	2.28	1.8	8.95	7.95	6.95
221381CJ	P8396	—	Black	—	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	1	1.63	2.8	1.5	0.6	6.95	5.91	4.43
102111CJ	XFR2410	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	2	2.22	2.33	1.97	1.5	8.95	7.61	5.71
221372CJ	P-8662	F192X	Black	—	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	1	2.38	4.00	2.62	2.3	11.95	10.16	7.62
112512CJ	XFR242N	F229X	Black	—	Black	48.0	24VAC @ 2A	White	—	White	Wire	3	2.21	3.58	2.25	1.8	9.79	8.85	7.95
221364CJ	P-8663†	F193U	—	—	—	96.0	24VCT @ 4A	—	—	—	Lug	1	2.81	3.13	3.81	4.0	18.95	17.85	14.95
221410CJ	P-8666†	F226U	—	—	—	288.0	24VCT @ 12A	—	—	—	Lug	1	4.63	3.75	4.63	11.2	34.95	31.96	28.97
99653CJ	XFR242	—	Red	—	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	1	2.44	2.70	2.30	2.5	10.95	9.31	6.98
102103CJ	XFR2520	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	2	2.45	2.67	2.26	2.8	14.95	13.46	12.11
149796CJ	XFR2820	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	2	2.45	2.70	2.24	2.3	12.95	11.69	8.59

* Center tap † Solder terminals

We're Listening to What You Need

Our goal is to provide you with more of what you want.
Let us know how we can better serve your electronics needs.
Please send request to NewProducts@Jameco.com.

Class 1 Current Transformer

This series can be applied to test, control, display, and record the running of electrical equipment, and to protect the equipment against damage in the AC circuit.

- Maximum voltage: 660VAC
- Size: 3.0"L x 3.2"W x 1.6"T
- Frequency: 50-60Hz
- Weight: 1.1 lbs.

Includes: Mounting bracket and hardware



Part No.	Mfr. Cross Ref. No.	Power	Ratio	1	10	100
174887CJ	MSQ30	5VA	200A/5A; 5VA	$4.49	$4.04	$3.64

Current Sensing Transformer

- Inductance: 5mH
- Turns: 60
- Sensitivity current (I_{in}): 1A
- Max. current: 300mA
- Freq. range: 10-50 kHz
- Sensitivity voltage (V_{out}): 1V
- Terminating resistor: 50Ω
- Size: 0.8"H x 0.7"W x 0.4"T



Part No.	Mfr. Cross Ref. No.	1	10	100
164718CJ	MTC30101	$2.15	$1.95	$1.75

International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- BSI: British Standard Institution

Cord Configuration Chart – End 1



Cord Configuration Chart – End 2



117911CJ (Fig. 1)



174633CJ (Fig. 2)

European Agency Approvals

Germany	VDE	
Austria	OVE	
Belgium	CEBEC	
Denmark	DEMKO	
Finland	FIMKO	
France	LCIE	
Netherlands	KEMA	
Norway	NEMKO	
Sweden	SEMKO	
Switzerland	SEV	

Fig. 3

Part No.	Mfr. Cross Reference No.*	Country	Agency Approvals	Cord Plug Fig. End 1	Cord Plug Fig. End 2	Length	Cord Color	Conductors	Cord Type	Pricing 1	10	100	250
117911CJ	PCVDE-6B	Europe	All in Fig. 3	A	1	6 ft.	Black	3/.75mm²	H05VVF	$5.49	$4.95	$4.45	$3.75
174633CJ	21071H5182	UK/Ireland	BSI	A	2	8 ft.	Black	3/1.0mm²	H05VVF	6.49	5.84	5.26	4.73

* Manufacturer may vary

Power Entry Filters and AC Receptacles

JAMECO ValuePro — A Jameco EXCLUSIVE — Quantity SAVE — SALE

- Frequency: 50/60Hz

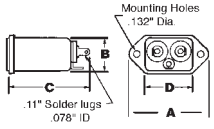


Fig. 1 (Solder Terminals)

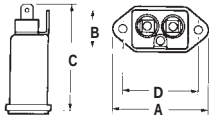


Fig. 2 (Fast-on Terminals)



Fig. 3 (210913CJ)

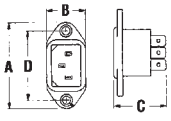


Fig. 4 (Male)

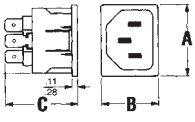


Fig. 5 (Female)

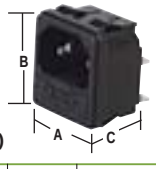


Fig.6 (117444CJ)

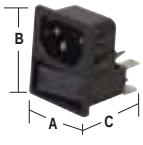


Fig. 7 (184903CJ)



Fig. 8 (265527CJ)

Part No.	Mfr. Cross Ref. No.	Corcom Cross	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches) A	B	C	D	Pricing 1	10	100	500
150615CJ	03AC1	3EF1	Power entry filter, straight (flanged)	1	3	250	solder	UL/CSA/VDE	.16"	1.89	0.88	2.58	1.58	$5.95	$5.36	$4.28	$3.21
42454CJ	06AC1	6EF1	Power entry filter, straight (flanged)	1	6	250	solder	UL/CSA/VDE	.16"	1.96	0.88	2.06	1.58	8.95	8.06	6.44	4.83
40601CJ	03AE1*	3EF1F	Power entry filter, straight (flanged)	2	3	250	fast-on	UL/CSA/VDE	.25"	1.97	0.90	2.16	1.58	5.95	5.36	4.28	3.19
63132CJ	06AE1	6EF1F	Power entry filter, straight (flanged)	2	6	250	fast-on	UL/CSA/VDE	.16"	1.96	0.88	2.06	1.58	6.95	6.29	5.65	5.09
16651CJ	JR101		AC power inlet (male) flanged	4	15	250	fast-on	UL/CSA/VDE	.187"	1.96	0.89	1.07	1.58	.79	.71	.57	.41
218288CJ	0708-1-CQ		AC power outlet (female) flanged	5	10	250	fast-on	UL/CSA/VDE	.189"	1.97	1.14	1.27	1.58	.42	.39	.35	.32
117444CJ	0717[1]		AC power inlet (male) fused (snap-in)	6	10	250	fast-on	UL/CSA/VDE	.187"	1.18	1.30	1.21	N/A	1.95	1.79	1.59	1.45
321621CJ	WS-044A		AC power inlet (male) fused (snap-in)	8	10	250	fast-on	UL/CSA/VDE	.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29
Other Manufacturers — Great Deals																	
165016CJ	SUP-J15G-E-2		Power entry filter, straight (flanged)	1	15	250	solder	UL/CSA/VDE	.16"	1.89	0.88	2.18	1.58	$5.95	$5.36	$4.28	$3.21
210913CJ	01GEEW3E		Power entry filter, straight (flanged)	3	1	250	wire	UL/CSA/VDE	4.1"	2.05	0.99	1.78	1.58	5.95	5.36	4.28	3.19
147109CJ	42R02		AC power inlet (male) snap-in	4	15	250	fast-on	UL/CSA/VDE	.25"	1.22	0.94	1.13	N/A	.65	.56	.50	.45
147900CJ	P0707*		AC power inlet (male) flanged	4	15	250	solder	UL/CSA/VDE	.16"	1.96	0.89	1.04	1.58	.69	.62	.50	.37
184903CJ	42R363152IOU		AC power inlet (male) w/ switch (snap-in)	7	15	250	fast-on	UL/CSA/VDE	.25"	1.30	1.58	1.42	N/A	1.95	1.76	1.40	1.05
265527CJ	WS-044		AC power inlet (male) fused	8	10	250	fast-on	UL/CSA/VDE	.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29

* Manufacturer may vary [1] Includes spare fuse holder – Fuse type 5mm x 20mm (250V)

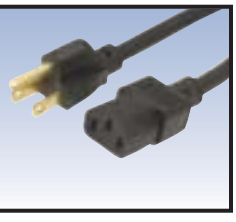


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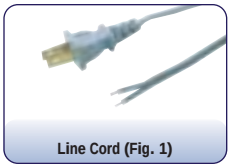
Have you found a product at a lower print advertised price? We'll beat that price by 10% right down to our cost!

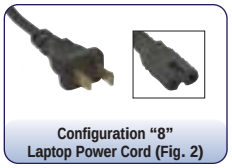
Need Power Cords?

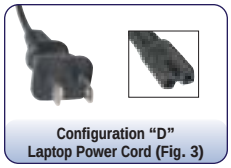
See our extensive selection of power cords on pages 192-193.

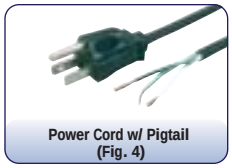


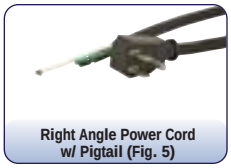
Color Code Legend
New Sale Lower$ QtySave


Line Cord (Fig. 1)

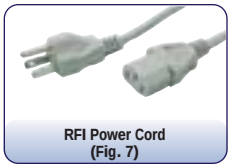

Configuration "8" Laptop Power Cord (Fig. 2)

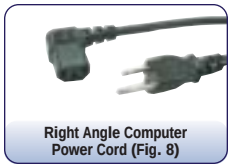

Configuration "D" Laptop Power Cord (Fig. 3)


Power Cord w/ Pigtail (Fig. 4)


Right Angle Power Cord w/ Pigtail (Fig. 5)


Piggy-Backed Computer Power Cord (Fig. 6)


RFI Power Cord (Fig. 7)

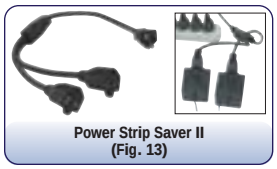

Right Angle Computer Power Cord (Fig. 8)


Power Supply Extension Cord (Fig. 9)


Hospital Grade Cord (Fig. 10)

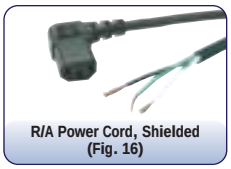

Monitor Power Adapter Cord (Fig. 11)


Power Strip Saver (Fig. 12)


Power Strip Saver II (Fig. 13)


NEMA 5-15P Plug Power Cord (Fig. 14)


Power Cord, unshielded (Fig. 15)


R/A Power Cord, Shielded (Fig. 16)


Detachable Power Cord Shielded PVC (Fig. 17)


R/A Detachable Power Cord Shielded (Fig. 18)


Retractable Power Cord Rubber Insulated (Fig. 19)


"Y" Twin End Power Cord (Fig. 20)

General Purpose Power Cords

SALE Quantity SAVE Lower $$$

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C

Part No.	Mfr. Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing 1	10	100	250
2-conductor power cord with pigtail											
152186CJ	17106BG	.20	1	6'	Beige	18/2	SPT-2	$1.29	$1.16	$.93	$.70
124433CJ	ST008	.16	1	6'	Black	18/2	SPT-2	1.15	1.03	.83	.69
2-conductor power cord with pigtail with strain relief											
42041CJ	17106	.25	1	6'	Black	18/2	SPT-2	$1.15	$1.03	$.93	$.78
2-conductor "8" style power cord for laptops and power supplies											
189587CJ	VW-1	.30	2	6'	Black	18/2	SPT-2	$2.49	$2.24	$1.79	$1.34
355944CJ	VW-1	.30	2	6'	Black	18/2	SPT-2	2.05	1.84	1.48	1.11
2-conductor "D" style power cord for laptops and power supplies											
200791CJ	LL114039	.30	3	6'	Black	18/2	SPT-2	$2.49	$2.24	$1.79	$1.34
3-conductor power cord with pigtail											
38009CJ	17237	.31	4	6'	Gray	18/3	SVT	$2.39	$2.15	$1.72	$1.29
173809CJ	17405	.39	4	6'	Gray	18/3	SJT	2.35	2.15	1.89	1.59
37997CJ	17236	.30	4	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99
279662CJ	32V86S	.32	4	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99
159409CJ	17405B	.37	4	6'	Black	18/3	SJT	2.59	2.15	1.95	1.79
38025CJ	17238	.39	4	8'	Black	18/3	SVT	3.29	2.75	2.45	2.25
102007CJ	17535B†	.49	4	10'	Black	18/3	SVT	3.99	3.59	2.87	2.15
196285CJ	LL40378	.80	4	10'	Black	16/3	SJT	3.49	3.14	2.83	2.35
166924CJ	17516	.67	4	6' 7"	Black	14/3	SJT	3.95	3.56	3.20	2.88
100271CJ	17629B	.88	4	9'	Black	14/3	SJT	3.39	3.00	2.74	2.53
3-conductor right angle power cord with pigtail (Limited Quantity Available)											
184815CJ	17629BR ✪	.77	5	7'	Black	14/3	SJT	$2.75	$2.58	$2.45	$2.33
3-conductor piggy backed computer power cord											
84937CJ	17669-6 ✪	.47	6	6'	Black	18/3	SJT	$6.95	$6.25	$5.65	$4.75
3-conductor power supply cord (shielded)											
213874CJ	17660BG	.40	7	6'	Beige	18/3	SVT	$3.59	$3.25	$2.95	$2.65
161761CJ	17742	.40	7	6'	Black	18/3	SVT	4.49	4.04	3.23	2.42
229219CJ	9350819 ✪	.45	7	8'	Black	18/3	SJT	4.49	4.04	3.23	2.42
190625CJ	37805	.75	7	10'	Beige	18/3	SJT	3.49	3.14	2.51	1.88
142607CJ	17502	.63	7	6'	Black	16/3	SJT	3.99	3.59	2.87	2.15

Part No.	Mfr. Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing 1	10	100	250
3-conductor power supply cord											
103747CJ	17248	.34	7	6'	Gray	18/3	SVT	$3.89	$3.50	$2.80	$2.49
38041CJ	17249	.37	7	6'	Beige	18/3	SVT	3.49	3.15	2.79	2.49
38050CJ	17250	.36	7	6'	Black	18/3	SVT	3.75	3.29	2.89	2.17
132118CJ	17500	.44	7	6'	Black	18/3	SJT	4.49	4.04	3.23	2.42
117583CJ	17502	.37	7	8'	Gray	18/3	SVT	3.49	3.14	2.51	1.88
171096CJ	17758	.60	7	8'	Black	18/3	SJT	3.95	3.56	2.84	2.13
102023CJ	17501V	.55	7	10'	Black	18/3	SVT	3.95	3.39	3.09	2.79
192727CJ	17501J	.64	7	10'	Black	18/3	SJT	3.95	3.56	2.84	2.13
163361CJ	6952299	.33	7	14'	Black	18/3	SJT	5.39	4.85	3.88	2.91
159361CJ	17602	.57	7	6'	Black	16/3	SJT	3.79	3.41	2.73	2.05
249383CJ	LL34977	.72	7	9'	Black	16/3	SJT	3.95	3.55	3.19	2.89
125541CJ	17504	.71	7	6' 7"	Black	14/3	SJT	4.95	4.46	4.01	3.12
3-conductor right angle power supply cord (shielded)											
173251CJ	17250RS	.40	8	6'	Black	18/3	SVT	$3.29	$2.96	$2.37	$1.78
3-conductor right angle power supply cord											
117356CJ	8120-6177	.41	8	6'	Gray	18/3	SVT	$3.95	$3.56	$2.84	$2.11
38076CJ	17250R	.54	8	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55
177383CJ	17507	.66	8	10'	Black	18/3	SJT	3.95	3.59	3.19	2.69
3-conductor computer power supply extension cord											
28468CJ	PEC	.36	9	6'	Black	18/3	SVT	$3.89	$3.51	$2.69	$1.99
175855CJ	PECUL10	.53	9	10'	Black	18/3	SVT	3.29	2.96	2.37	1.78
319804CJ	LR94903	.33	9	6'	Gray	18/3	SVT	4.15	3.74	2.99	2.24
3-conductor power cord w/ hospital grade male (green dot)											
132011CJ	17006G	.82	10	10'	Gray	16/3	SJT	$8.45	$7.60	$6.08	$4.56
265412CJ	EXIT0W	.70	10	10'	Gray	18/3	SJT	7.99	7.29	6.55	5.89
115078CJ	17006	.84	10	10'	Black	16/3	SJT	8.95	8.05	6.45	4.89
3-conductor monitor power adapter cord											
177447CJ	MPC1	.16	11	1'	Black	18/3	SVT	$2.95	$2.66	$2.12	$1.59
3-conductor power cord (power strip saver)											
199777CJ	PSS-1	.16	12	1'	Black	18/3	SVT	$1.69	$1.55	$1.39	$1.25
208338CJ	SY0527BG	.16	12	1'	Beige	18/3	SVT	1.69	1.45	1.09	1.03
3-conductor power cord ("Y" type power strip saver)											
208346CJ	GPR-2006	.38	13	2'	Black	18/3	SVT	$2.89	$2.75	$2.59	$2.46

*Thermoplastic Cord Jacket Type: **SPT-2 (Flat):** Junior duty; **SVT (Round):** Light service; **SJT (Round):** Junior service †European standard insulation color code ✪ Blue Part No. = Limited Quantity Available

Jameco ValuePro™ Power Cords

A Jameco EXCLUSIVE

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

3-conductor power cord, NEMA 5-15P plug, PVC, gray

Part No.	Volex X-Ref.	Fig. (p.192)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	100	250
339670CJ	17239✪	4	290B	8'	18/3(41x34)	SVT	$2.79	$2.05	$1.95	$1.88
339688CJ	17407	4	290B	8'	18/3(16x30)	SJT	2.79	2.08	1.97	1.90
339717CJ	17276	4	290B	20'	16/3(26x30)	SJT	8.59	6.44	6.11	5.84

3-conductor power cord, NEMA 5-15P plug, rubber, black

339830CJ	17412	14	290B	12'	18/3(16x30)	SJT	$6.05	$4.48	$4.26	$4.11
339696CJ	17409	14	290B	8'	18/3(16x30)	SJO	4.85	3.62	3.43	3.28
339709CJ	17425	14	290B	15'	16/3(26x30)	SJT	11.05	10.07	8.15	7.30

3-conductor power cord, NEMA 5-15P plug, shielded, black

339750CJ	17720	14	290B	6'7"	18/3(41x34)	SVT	$3.19	$3.03	$2.88	$2.74
339768CJ	17740†	14	290B	6'7"	18/3(41x34)	SVT	3.15	2.99	2.85	2.70
339776CJ	17650††	14	290B	6'7"	18/3(41x34)	SVT	9.45	7.06	7.03	6.33
339899CJ	17741	14	290B	9'10"	18/3(41x34)	SVT	6.29	5.79	5.21	4.69

3-conductor power cord, NEMA 5-15P plug, unshielded, black

339653CJ	17747†	14	290B	6'7"	18/3(41x34)	SVT	$2.65	$2.35	$2.14	$1.93
339661CJ	17514	14	290B	6'7"	16/3(65x34)	SJT	3.65	3.27	2.94	2.65
339733CJ	17534	14	290B	6'7"	18/3(41x34)	SVT	2.35	1.74	1.65	1.60
339741CJ	17512	14	290B	6'7"	18/3(41x34)	SJT	2.59	2.36	2.16	1.94
339784CJ	17516	14	173	6'7"	14/3(41x30)	SJT	4.69	4.02	3.75	3.44
339872CJ	17513	14	290B	9'10"	18/3(41x34)	SJT	3.59	3.22	2.93	2.64
339881CJ	17515	14	290B	9'10"	16/3(65x34)	SJT	3.79	3.70	3.60	3.54
339901CJ	17517	14	173	9'10"	14/3(41x30)	SJT	5.99	5.54	4.99	4.48

3-conductor power cord, NEMA, PVC, gray

339944CJ	17405	14	290B	6'	18/3(16x30)	SJT	$2.45	$1.78	$1.74	$1.63

3-conductor right angle power cord, shielded, black

339995CJ	17751	16	RtAng	6'7"	18/3(41x34)	SVT	$4.05	$3.81	$3.62	$3.44

3-conductor power cord, unshielded, black

339987CJ	17518	15	386A	6'7"	18/3(41x34)	SJT	$3.65	$3.08	$2.81	$2.53
340005CJ	17520	15	386E	6'7"	18/3(26x30)	SJT	2.95	2.79	2.65	2.51
340021CJ	17254	15	386	7'6"	18/3(41x34)	SVT	2.55	2.42	2.30	2.19
340056CJ	17537	16	PH910	9'10"	18/3(41x34)	SJT	3.85	3.66	3.47	3.30
340064CJ	17519	15	386A	9'10"	18/3(41x34)	SJT	3.29	3.14	2.98	2.83
340072CJ	17521	15	386E	9'10"	16/3(26x30)	SJT	3.69	3.54	3.36	3.19
340099CJ	17539	16	PH910	9'10"	16/3(26x30)	SJT	4.49	4.27	4.05	4.04

3-conductor retractable power cord, rubber insulated, black

340451CJ	17448	19	173	1'-6'	16/3(26x30)	SJO	$13.15	$9.80	$9.31	$8.88
340460CJ	17449	19	173	2'-12'	16/3(26x30)	SJO	16.55	12.35	11.73	11.19
340478CJ	17447	19	290B	1'-6'	18/3(41x34)	SJO	12.85	9.59	9.11	8.69

3-conductor power cord, "Y" twin end, black

340558CJ	17272A	13	AEC-30	6'	18/3(41x34)	Y	$7.59	$5.67	$5.38	$5.13
340566CJ	17268A	20	150	6'	18/3(41x34)	Y	7.85	5.84	5.55	5.29
340574CJ	17270A	20	150	6'	16/3(26x30)	Y	8.85	6.62	6.29	6.00
340531CJ	17269A	20	150	10'	18/3(41x34)	Y	9.55	7.16	6.80	6.48
340540CJ	17271A	20	150	10'	16/3(26x30)	Y	10.65	7.97	7.57	7.22

2-conductor retractable power cord, unshielded, black

Part No.	Volex X-Ref.	Fig. (p.192)	Plug Detail (below)	Retract. Length	Exten. Length	AWG (Stranding)	Pricing 1	10	100	250
340523CJ	8879	18	—	8"	5'	20/2 (42x36)	$11.19	$10.24	$9.18	$8.26

3-conductor power cord, shielded, black

339961CJ	17749	15	386A	6'7"	18/3(41x34)	SVT	$2.85	$2.79	$2.73	$2.67
340013CJ	17620	15	386E	6'7"	16/3(65x34)	SJT	4.79	4.56	4.33	4.11
340030CJ	17750	15	386A	9'10"	18/3(41x34)	SVT	3.99	3.85	3.63	3.45
340081CJ	17621	15	386E	9'10"	16/3(65x34)	SJT	5.39	5.17	4.91	4.67

3-conductor right angle detachable power cord, shielded, PVC, black

340128CJ	17745	8	290B/PH910	6'7"	18/3(41x34)	SVT	$3.79	$3.62	$3.43	$3.26
340152CJ	17606	8	290B/PH910	6'7"	18/3(41x34)	SJT	7.65	7.03	6.34	5.70
340179CJ	17608	8	185/PH910	6'7"	16/3(65x34)	SJT	5.45	5.16	4.90	4.65
340224CJ	17746	8	290B/PH910	9'10"	18/3(41x34)	SVT	5.15	3.88	3.69	3.49
340232CJ	17607	8	290B/PH910	9'10"	18/3(41x34)	SJT	9.29	8.47	7.62	6.86
340259CJ	17609	8	185/PH910	9'10"	16/3(65x34)	SJT	10.59	9.60	8.71	7.84

3-conductor right angle detachable power cord, unshielded, PVC, black

340321CJ	17506	8	290B/PH910	6'7"	18/3(41x34)	SJT	$4.09	$3.72	$3.35	$3.02
340355CJ	17508	8	290B/PH910	6'7"	16/3(26x30)	SJT	2.59	2.47	2.35	2.33

3-conductor detachable power cord, shielded, PVC, black

340101CJ	17725†	17	290B/386A	6'7"	18/3(41x34)	SVT	$4.15	$3.79	$3.45	$3.17
340110CJ	17742	17	290B/386A	6'7"	18/3(41x34)	SVT	3.49	3.14	2.85	2.60
340144CJ	17600	17	185/386A	6'7"	18/3(41x34)	SJT	7.85	6.89	6.20	5.58
340161CJ	17602	17	290B/386A	6'7"	16/3(65x34)	SJT	5.15	5.04	4.93	3.93
340187CJ	17604	17	173/386A	6'7"	14/3(41x30)	SJT	9.29	8.67	7.78	7.26
340195CJ	17743	17	290B/386A	9'10"	18/3(41x34)	SVT	5.29	4.90	4.45	4.09
340208CJ	17601	17	185/386A	9'10"	18/3(41x34)	SJT	5.29	5.10	4.60	4.13
340241CJ	17603	17	290B/386A	9'10"	16/3(65x34)	SJT	5.75	5.46	5.18	4.93
340267CJ	17605	17	173/386A	9'10"	14/3(41x30)	SJT	11.45	10.54	9.57	8.79

3-conductor detachable power cord, foil shielded, PVC, black

340136CJ	17660	17	290B/386A	6'7"	18/3(41x34)	SVT	$10.59	$7.90	$7.51	$7.16
340216CJ	17661	17	290B/386A	9'10"	18/3(41x34)	SVT	13.49	10.08	9.58	9.14

3-conductor detachable power cord, unshielded, PVC, black

340275CJ	17002A	17	290B/386A	1'6"	18/3(41x34)	SVT	$1.39	$1.28	$1.21	$1.17
340283CJ	17000A	17	290B/386	3.0'	18/3(41x34)	SVT	1.85	1.37	1.30	1.26
340291CJ	17001A	17	290B/386A	3.0'	16/3(26x30)	SJT	3.69	2.72	2.59	2.50
340304CJ	17249	17	290B/386	6.0'	18/3(41x34)	SVT	1.59	1.52	1.40	1.33
340312CJ	17758	17	290B/386A	6'7"	18/3(41x34)	SJT	4.95	4.56	4.09	3.69
340339CJ	17500	17	290B/386A	6'7"	18/3(41x34)	SJT	2.55	2.14	1.95	1.73
340347CJ	17502	17	290B/386E	6'7"	16/3(26x30)	SJT	4.25	3.78	3.42	3.16
340363CJ	17504	17	173/386A	6'7"	14/3(41x30)	SJT	4.19	3.75	3.36	3.02
340380CJ	17757†	17	290B/386A	7'6"	18/3(41x34)	SVT	2.45	2.16	1.96	1.77
340401CJ	17255	17	290B/386E	7'6"	16/3(26x30)	SJT	4.15	3.04	2.88	2.80
340419CJ	17501	17	290B/386A	9'10"	18/3(41x34)	SJT	2.79	2.45	2.23	2.21

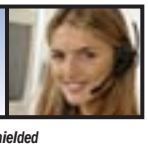
3-conductor jumper power cord, shielded, black

340515CJ	17625	9	388B/386E	3'3"	16/3(26x30)	SJT	$6.59	$6.09	$5.48	$4.93

3-conductor jumper power cord, unshielded, black

340486CJ	17524	9	388A/386A	3'3"	18/3(41x34)	SJT	$3.65	$3.31	$2.98	$2.68

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*Thermoplastic Cord Jacket Type: **SPT-2 (Flat):** Junior duty; **SVT (Round):** Light service; **SJT (Round):** Junior service; **SJO (Round):** Junior service with oil-resistant jacket † **Temperature rating: 105°C** †† **Foil and braid shielded**

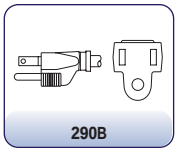
✪ Blue Part No. = Limited Quantity Available

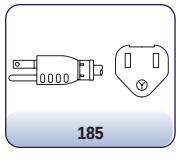
Plug Detail – Industry Standard Designations

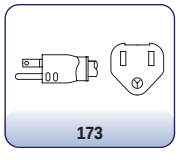

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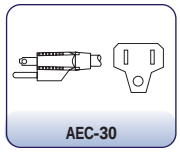

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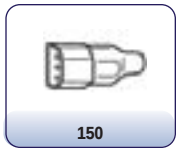

PH910


290B


185


173


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150

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264014CJ


264031CJ


264049CJ


264057CJ


264065CJ


264073CJ

Part Number	Product Number	Nominal Voltage	Amp-Hrs.	Cross Reference: Panasonic	YUASA	Eagle Picher	Tempest	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing: 1	10
264014CJ	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	$8.99	$7.89
317024CJ	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	14.69	12.75
318941CJ	LA-TY-12-.8	12	0.8	—	—	—	—	9" wire w/o connector	3.8 x 1.0 x 2.4	0.8	16.39	15.19
318844CJ	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	13.99	12.69
264031CJ	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	15.39	14.59
318924CJ	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	16.19	14.69
264049CJ	TY-12-4.5	12	4.5	LCR12V4PF	NP412	CF12V4	TR4-12	Quick connect 0.187"	3.5 x 2.8 x 4.0	3.8	15.79	14.55
264057CJ	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	16.95	15.15
264065CJ	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	30.65	28.25
264073CJ	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	32.85	28.15
318852CJ	LA-TY-12-35	12	35.0	—	—	—	—	Quick connect 0.644"	7.6 x 5.1 x 6.3	27.6	47.79	41.69

TEMPEST Lead Acid Batteries

- Color-coded terminals
- Sealed
- Rechargeable
- Nominal voltage: 12
- UL approved
- Two-year warranty

Tempest is an ISO-9001 Certified Company

SALE


218421CJ


218464CJ

Part Number	Product Number	Amp-Hrs.	Charging Voltage: Standby	Cyclic	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing: 1	10
218421CJ	TR22-12	22	13.6-13.8	14.5-14.9	Terminal pad 0.472"Dia.	7.2 x 3.0 x 6.6	15.0	$39.95	$35.95
218464CJ	TR70-12B	70	13.6-13.8	14.5-14.9	Quick connect 0.590"	10.3 x 6.7 x 8.2	55.1	129.95	116.96

Eveready® Energizer® Alkaline Batteries


198731CJ


215845CJ




198707CJ


198715CJ

Energizer® and the Energizer Bunny® are registered trademarks of the Eveready Battery Company, Inc.

- Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

Part No.	Size		1	10
198731CJ	9-volt	SALE	$1.89	$1.85
215845CJ	D		1.12	1.09

- Prepackaged: order in increments of 4

Part No.	Size	4	40	100
198707CJ	AA	$.64	$.63	$.62
198715CJ	AAA	.49	.47	.44

Zinc Chloride, Silver Oxide & Alkaline Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers / descramblers and remotes.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

SALE

Zinc Chloride

Part No.	Mfr. Cross Ref.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
151087CJ	AA	1	AA	1.5	700	Barrel pressure	1.9"L x 0.55"Dia.	$.20	$.17	$.16
151095CJ	GF6F22	3	9V	9	300	—	1.7"L x 1.0"W x 0.67"Dia.	1.25	.99	.79

Silver Oxide

Part Number	Mfr. Cross Ref.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
140783CJ	357	2	Button	1.55	1600	—	0.454"Dia.	$1.75	$1.49	$1.25

Alkaline

Quantity SAVE

Part Number	Mfr. Cross Ref.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
249181CJ	LR031.5V	4	AAA	1.5	—	3-pack	1.7"L x 0.40"Dia.	$1.49	$1.34	$1.00
150965CJ	Rayovac 840	5	—	4.5	600	Batt. pack w/con. (Apple®)	1.14"L x 0.73"W x 0.96"H	9.95	8.96	8.06
198791CJ	MN1604	3	9V	9	500	—	1.7"L x 1.0"W x 0.67"H	2.85	2.55	2.29

Compare our Awesome Prices in Batteries!

Jameco Part No.	Description	Jameco® Price	Newark® Price	Digi-Key® Price	Mouser® Price	Minimum Savings	Minimum Discount
318844CJ	Lead Acid, 12V, 1.2AH	$13.99	Not offered	$17.99	$14.75	$0.76	5.2%
318924CJ	Lead Acid, 12V, 3.2AH	$16.19	Not offered	$26.57	$20.00	$3.81	19.1%
240223CJ	Lithium, CR2335, 3V, 300mA	$0.99	$1.70	$1.43	$1.57	$0.44	30.8%
240231CJ	Lithium, CR2450, 3V, 500mA	$1.09	$2.06	$1.30	$2.20	$0.21	16.2%
244380CJ	NiCd, 2/3AA, 320mAH	$1.19	$2.32	$1.74	Not offered	$0.55	31.6%
244662CJ	NiCd, AAA, 240mAH, Flat Top	$1.69	Not offered	$2.34	$2.24	$0.55	24.6%
244961CJ	NiMH, C, 2,500mAH, Flat Top	$4.75	Not offered	$7.77	$5.38	$0.63	11.7%

These are single unit prices taken from each party's website on June 2, 2005, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

Not All Are Created Alike!



When designers choose batteries, most think of two criteria. First, get the right size and chemistry (e.g. – AA NiMH), and second, find the lowest price. Few however, really consider how power-hungry the application is.

But just like a circuit's signal-to-noise ratio, a battery's capacity-to-demand ratio is also very important. Consider a circuit that "demands" 1,400 mA. If powered by batteries with a 1,600 mA capacity, the ratio is about 1.14. Using a battery with 1,800 mA capacity doubles the headroom (fractional part) from 1.14 to 1.28. Stated another way, the battery can discharge significantly more before the voltage drops below threshold.

Practical Practices
Money Saving Tips for the Engineer

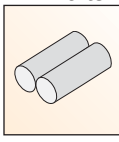
JAMECO ReliaPro

Rechargeable Battery Packs

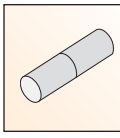
Jameco ReliaPro™ rechargeable battery packs are available in many configurations and capacities. Each series-connected pack is available with 6" lead wires or 0.125"W x 0.4"L solder tab hook-ups. Available in economical NiCd and powerful NiMH compositions.

• AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm) • SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm) • D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)

2.4 Volts

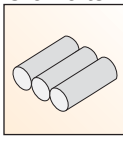


Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298097CJ	$4.35	$4.26	$4.14	298935CJ	$5.35	$5.22	$5.09
AA	NiCAD	1000	298337CJ	5.35	4.87	4.33	299081CJ	6.55	6.32	6.05
AA	NiMH	1800	298484CJ	9.39	8.54	7.59	299233CJ	11.29	10.77	10.28
SC	NiCAD	2200	298636CJ	10.35	9.82	9.33	299381CJ	11.29	10.77	10.28
D	NiCAd	5000	298783CJ	24.75	22.25	19.78	299532CJ	24.75	22.25	19.78

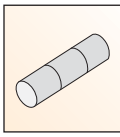


Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298214CJ	$4.35	$3.95	$3.52	298960CJ	$5.29	$5.22	$5.09
AA	NiCAD	1000	298361CJ	5.39	4.90	4.35	299111CJ	6.55	6.34	6.07
AA	NiMH	1800	298513CJ	9.49	8.55	7.59	299268CJ	11.29	10.77	10.28
SC	NiCAD	2200	298661CJ	10.35	9.82	9.33	299410CJ	11.29	10.77	10.28
D	NiCAD	5000	298812CJ	24.69	22.24	19.77	299567CJ	24.69	22.24	19.77

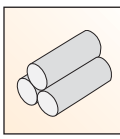
3.6 Volts



Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298193CJ	$6.19	$5.92	$5.49	298943CJ	$7.15	$6.87	$6.57
AA	NiCAD	1000	298345CJ	8.05	7.31	6.50	299090CJ	9.35	8.61	7.84
AA	NiMH	1800	298492CJ	11.89	11.30	10.47	299241CJ	12.85	11.78	10.48
SC	NiCAD	2200	298644CJ	12.25	11.00	9.90	299399CJ	13.19	11.95	10.85
D	NiCAD	5000	298791CJ	35.25	31.70	28.53	299541CJ	36.19	32.65	29.48

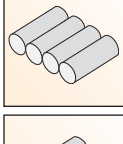


Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298222CJ	$6.19	$5.92	$5.26	298978CJ	$8.75	$8.07	$7.35
AA	NiCAD	1000	298370CJ	8.09	7.34	6.53	299129CJ	9.35	8.57	7.81
AA	NiMH	1800	298521CJ	10.35	9.82	9.33	299276CJ	12.85	12.25	11.69
SC	NiCAD	2200	298679CJ	12.25	11.02	9.92	299428CJ	13.19	11.97	10.87
D	NiCAD	5000	298821CJ	35.25	31.70	28.53	299575CJ	36.19	32.65	29.48

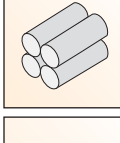


Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298302CJ	$6.49	$5.90	$5.24	299057CJ	$6.49	$5.90	$5.24
AA	NiCAD	1000	298450CJ	8.05	7.32	6.50	299209CJ	8.05	7.31	6.50
AA	NiMH	1800	298601CJ	13.09	11.78	10.48	299356CJ	15.99	14.48	13.13
SC	NiCAD	2200	298759CJ	15.09	13.53	12.18	299508CJ	16.05	14.48	13.13
D	NiCAD	5000	298901CJ	41.49	37.34	33.61	299655CJ	37.09	33.37	29.66

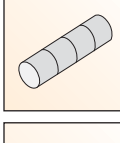
4.8 Volts



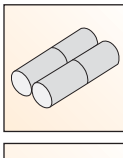
Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298206CJ	$7.79	$7.08	$6.37	298951CJ	$8.75	$8.03	$7.32
AA	NiCAD	1000	298353CJ	10.69	9.62	8.66	299102CJ	11.65	10.57	9.61
AA	NiMH	1800	298505CJ	15.09	14.33	13.35	299250CJ	16.05	15.28	14.56
SC	NiCAD	2200	298652CJ	15.45	13.90	12.51	299401CJ	16.39	14.85	13.46
D	NiCAD	5000	298804CJ	44.49	40.05	36.04	299559CJ	45.45	41.00	36.99



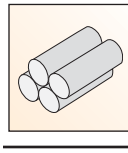
Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298249CJ	$7.79	$7.06	$6.36	298994CJ	$8.69	$8.01	$7.31
AA	NiCAD	1000	298396CJ	10.69	9.60	8.65	299145CJ	11.65	10.55	9.60
AA	NiMH	1800	298548CJ	15.09	14.32	13.30	299292CJ	16.05	15.28	14.56
SC	NiCAD	2200	298695CJ	15.45	13.64	12.51	299444CJ	16.39	14.85	13.46
D	NiCAD	5000	298847CJ	44.35	39.89	35.90	299591CJ	45.29	40.84	36.85



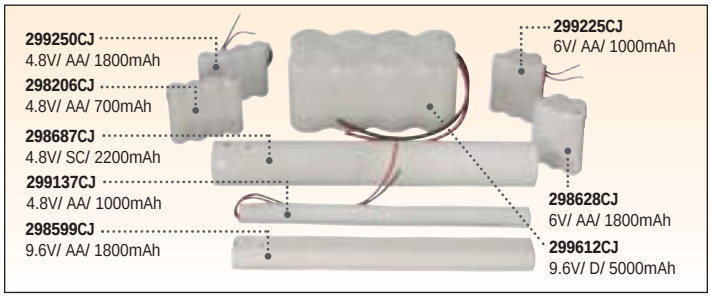
Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298231CJ	$7.85	$7.12	$6.40	298986CJ	$8.75	$8.07	$7.35
AA	NiCAD	1000	298388CJ	10.69	9.62	8.66	299137CJ	11.65	10.57	9.61
AA	NiMH	1800	298530CJ	11.89	11.30	10.74	299284CJ	16.05	15.28	14.56
SC	NiCAD	2200	298687CJ	15.45	13.91	12.52	299436CJ	16.39	14.86	13.47
D	NiCAD	5000	298839CJ	44.49	40.02	36.02	299583CJ	45.45	40.97	36.97



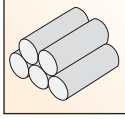
Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298273CJ	$7.79	$7.08	$6.37	299022CJ	$8.75	$8.03	$7.32
AA	NiCAD	1000	298425CJ	10.69	9.62	8.66	299170CJ	11.65	10.57	9.61
AA	NiMH	1800	298572CJ	15.09	14.32	13.34	299321CJ	16.05	15.28	14.56
SC	NiCAD	2200	298724CJ	15.45	13.90	12.51	299479CJ	16.39	14.85	13.46
D	NiCAD	5000	298871CJ	44.49	40.03	36.03	299621CJ	45.45	40.98	36.98



Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298311CJ	$8.35	$7.57	$6.81	299065CJ	$8.65	$7.85	$6.97
AA	NiCAD	1000	298468CJ	10.79	9.73	8.65	299217CJ	12.19	11.08	10.06
AA	NiMH	1800	298610CJ	16.95	15.23	13.71	299364CJ	16.65	14.97	14.22
SC	NiCAD	2200	298767CJ	16.95	15.23	13.71	299516CJ	17.89	16.18	14.66
D	NiCAD	5000	298919CJ	47.19	42.46	40.34	299663CJ	48.15	43.41	39.40

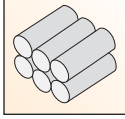


6.0 Volts

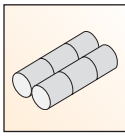


Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298329CJ	$9.25	$8.00	$7.60	299073CJ	$10.29	$8.95	$8.55
AA	NiCAD	1000	298476CJ	11.25	10.13	9.11	299225CJ	13.25	11.08	10.06
AA	NiMH	1800	298628CJ	18.85	16.07	15.27	299372CJ	19.75	17.02	16.22
SC	NiCAD	2200	298775CJ	18.79	15.99	14.39	299524CJ	19.75	16.94	15.34
D	NiCAD	5000	298927CJ	52.85	44.92	42.67	299680CJ	53.79	45.87	43.57

7.2 Volts

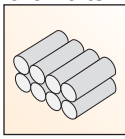


Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298257CJ	$11.75	$10.58	$9.53	299006CJ	$12.75	$11.53	$10.59
AA	NiCAD	1000	298409CJ	15.99	14.40	12.96	299153CJ	16.95	15.35	13.91
AA	NiMH	1800	298556CJ	20.29	18.25	16.43	299305CJ	21.25	19.20	17.38
SC	NiCAD	2200	298708CJ	23.15	20.81	18.73	299452CJ	24.09	21.76	19.68
D	NiCAD	5000	298855CJ	66.49	59.83	59.09	299604CJ	67.45	60.78	59.09

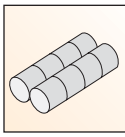


Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298281CJ	$11.79	$10.59	$9.54	299031CJ	$12.75	$11.54	$10.49
AA	NiCAD	1000	298433CJ	16.05	14.41	12.97	299188CJ	16.95	15.36	13.92
AA	NiMH	1800	298581CJ	20.29	18.25	16.43	299330CJ	21.25	19.20	17.38
SC	NiCAD	2200	298732CJ	23.15	20.82	18.74	299487CJ	24.09	21.77	19.69
D	NiCAD	5000	298880CJ	66.49	59.83	59.29	299639CJ	67.45	60.78	59.29

9.6 Volts



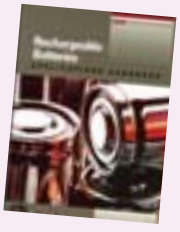
Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298265CJ	$15.69	$14.12	$12.70	299014CJ	$16.65	$15.07	$13.65
AA	NiCAD	1000	298417CJ	21.35	19.20	17.27	299161CJ	22.29	20.15	18.23
AA	NiMH	1800	298564CJ	26.35	23.70	21.34	299313CJ	27.29	24.65	22.29
SC	NiCAD	2200	298716CJ	30.85	27.75	24.98	299461CJ	31.79	28.70	25.93
D	NiCAD	5000	298863CJ	88.65	79.76	78.78	299612CJ	89.59	80.71	78.78



Cell Size	Type	mAh	Solder Tabs: Jameco Part No.	Solder Tabs: Pricing 1	10	25	Lead Wires: Jameco Part No.	Lead Wires: Pricing 1	10	25
AA	NiCAD	700	298290CJ	$12.25	$11.02	$9.92	299049CJ	$12.25	$11.02	$9.92
AA	NiCAD	1000	298441CJ	15.19	13.66	12.29	299196CJ	16.15	14.61	13.24
AA	NiMH	1800	298599CJ	23.65	21.27	19.14	299348CJ	24.59	22.22	20.09
SC	NiCAD	2200	298741CJ	24.49	22.03	19.83	299495CJ	25.45	22.98	20.78
D	NiCAD	5000	298898CJ	63.35	57.01	54.16	299647CJ	64.29	57.96	55.06

Rechargeable Batteries Application Handbook

Butterworth-Heinemann This handbook represents the first widely-available compendium of information needed by those design professionals responsible for using rechargeable batteries. It introduces the most common forms of rechargeable batteries, including their history, the basic chemistry that governs their operation, and common design approaches. The introduction also exposes the reader to commonbattery design terms and concepts. (290 pages, 1998)



Part No.	Description	Price
305171CJ	Rechargeable batteries handbook	$43.95

Color Code Legend: New Sale Lower$ QtySave

Save 10% or more on most batteries!

Lithium, Lithium Ion and NiCd Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers / descramblers and remotes.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20


Fig. 21


Fig. 22


Fig. 23


Fig. 24


Fig. 25


Fig. 26


Fig. 27


Fig. 28


Fig. 29


Fig. 30


Fig. 31


Fig. 32


Fig. 33

Lithium & Lithium Ion

SALE

Part Number	Mfr. Cross Ref.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
240258CJ	CR123A	1	—	3	1300	Photo/computer	1.36"L x 0.65"Dia.	$2.65	$2.45	$2.35
249471CJ	CR123A*	1	—	3	1300	Photo/computer	1.34"L x 0.65"Dia.	2.59	2.35	2.09
33371CJ	TL5101P	2	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398CJ	TL5104P	3	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	5.95	5.49	5.19
146114CJ	TL2100S	4	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
33427CJ	TL5242W	5	—	3.6	1900	Battery pack w/ plug (PC)	2.38"L x 0.65"W x 0.71"H	7.49	6.75	6.09
240186CJ	CR1616	—	Coin Cell	3	55	Clock/memory/watch	0.07"Dia. x 0.61"Th.	.62	.56	.45
240207CJ	CR2016	—	Coin Cell	3	75	Clock/memory/watch	0.07"Dia. x 0.79"Th.	.34	.31	.24
240215CJ	CR2025	—	Coin Cell	3	150	Clock/memory/watch	0.10"Dia. x 0.78"Th.	.29	.27	.26
11789CJ	CR2325	6	Coin Cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Th.	1.65	1.47	1.25
252232CJ	BR2325/1VG	7	Coin Cell	3	175	Vertical, PC mount	1.00"Dia. x 0.90"Th.	1.49	1.39	1.35
14162CJ	CR2032	—	Coin Cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Th.	1.25	1.12	.84
240223CJ	CR2335	—	Coin Cell	3	300	Clock/memory/watch	0.14"Dia. x 0.92"Th.	.99	.89	.71
240231CJ	CR2450	—	Coin Cell	3	500	Clock/memory/watch	0.18"Dia. x 0.97"Th.	1.09	.93	.69
126754CJ	TL5101S	8	Sub-AA	3.6	850	Macintosh®	0.95"L x 0.56"Dia.	6.95	6.29	5.65
240266CJ	ER14250	9	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.99	3.89	3.81
263898CJ	ER14250	10	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.29	4.11	3.90
263978CJ	ER14335	10	Sub-AA	3.6	1450	With axial leads	1.30"L x 0.55"Dia.	4.79	4.62	4.36
263951CJ	ER14335	11	Sub-AA	3.6	1450	With solder tabs	1.30"L x 0.55"Dia.	4.59	4.43	4.19
240282CJ	ER14335	12	Sub-AA	3.6	1450	Consumer tip	1.30"L x 0.55"Dia.	4.15	3.74	3.54
263943CJ	ER14505	13	AA	3.6	2100	With axial leads	2.00"L x 0.57"Dia.	5.35	4.99	4.70
240303CJ	ER14505	14	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.19	4.85	4.55
263935CJ	ER14505	15	AA	3.6	2100	With solder tabs	2.00"L x 0.55"Dia.	4.99	4.75	4.52
240320CJ	ER17335	16	Sub-A	3.6	1450	Consumer tip	1.30"L x 0.67"Dia.	5.25	4.73	3.54
264217CJ	ER17335	—	Sub-A	3.6	1450	With axial leads	1.30"L x 0.67"Dia.	5.55	4.99	4.59
263986CJ	ER26500	—	C	3.6	8500	With axial leads	2.00"L x 1.02"Dia.	13.19	12.42	11.67
240160CJ	ER26500	17	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	11.50	11.05
263994CJ	ER34615	—	D	3.6	16,500	With axial leads	2.40"L x 1.34"Dia.	16.65	15.68	14.73
240151CJ	ER34615	18	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	15.05	14.49	13.95
244646CJ	UR18650H1	19	—	3.6	2200	Flat top lithium ion (rechargeable)	2.60"L x 0.71"Dia.	17.55	15.79	14.21

* Samsung

NiCd – Rechargeable

SALE

Part Number	Mfr. Cross Ref.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244662CJ	AAA-240	20	AAA	1.2	240	Flat top	1.70"L x 0.40"Dia.	$1.69	$1.52	$1.22
244540CJ	AAA-240-CT	21	AAA	1.2	240	Consumer tip	1.70"L x 0.40"Dia.	1.89	1.85	1.80
244380CJ	2/3AA-320	22	2/3AA	1.2	320	Flat top	1.10"L x 0.55"Dia.	1.19	1.07	.86
244443CJ	4/5AA-600	23	4/5AA	1.2	600	Flat top	1.70"L x 0.55"Dia.	.99	.89	.80
244486CJ	AA-600	24	AA	1.2	600	Flat top	1.90"L x 0.55"Dia.	1.25	1.22	1.19
244507CJ	AA-1000	24	AA	1.2	1000	Flat top	1.90"L x 0.55"Dia.	2.39	2.15	1.94
261657CJ	AA-700-CT	25	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	1.37	1.25	.96
244515CJ	AA-1000-CT	25	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.65	2.43	2.33
244355CJ	1/3A-250	26	1/3A	1.2	250	Flat top	0.65"L x 0.65"Dia.	1.19	1.07	.86
244371CJ	2/3A-650	27	2/3A	1.2	650	Flat top	1.10"L x 0.65"Dia.	1.59	1.43	1.29
244603CJ	2/3A-100HD	27	2/3A	1.2	1100	Flat top	1.10"L x 0.65"Dia.	1.79	1.61	1.48
244427CJ	4/5A-1100	28	4/5A	1.2	1100	Flat top	1.70"L x 0.65"Dia.	1.49	1.34	1.30
244574CJ	SC-1500	29	Sub-C	1.2	1500	Flat top	1.70"L x 0.89"Dia.	2.15	1.98	1.87
244953CJ	SC-1500HT	29	Sub-C	1.2	1500	Flat top, high temperature	1.70"L x 0.89"Dia.	2.15	1.94	1.74
244654CJ	SC-1900	29	Sub-C	1.2	1900	Flat top	1.70"L x 0.89"Dia.	3.69	3.23	3.08
244401CJ	2/3SC-700	30	2/3SC	1.2	700	Flat top	1.00"L x 0.89"Dia.	2.85	2.56	2.05
244451CJ	4/5SC-1250	—	4/5SC	1.2	1250	Flat top	1.30"L x 0.89"Dia.	2.85	2.56	2.35
244460CJ	5/4SC-2300	—	5/4SC	1.2	2300	Flat top	1.90"L x 0.89"Dia.	5.45	4.90	3.92
244363CJ	1/3C-700	—	1/3C	1.2	700	Flat top	0.87"L x 1.00"Dia.	2.35	2.12	1.69
244339CJ	1/2C-800	31	1/2C	1.2	800	Flat top	0.95"L x 1.00"Dia.	2.59	2.33	2.10
244671CJ	C-2000	32	C	1.2	2000	Flat top	1.90"L x 1.00"Dia.	4.25	3.82	3.06
244523CJ	C-2200-CT	33	C	1.2	2200	Consumer tip	1.90"L x 1.00"Dia.	4.25	3.96	3.92
244531CJ	C-2500-CT	33	C	1.2	2500	Consumer tip	1.90"L x 1.00"Dia.	4.65	4.19	3.77

Save 10% or more on most batteries!

NiCd and NiMH Batteries

SALE


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12

NiCd – Rechargeable (Continued)

Part Number	Mfr. Cross Ref.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244961CJ	C-2500HT	1	C	1.2	2500	Flat top, high temperature	1.90"L x 1.00"Dia.	$4.75	$4.28	$3.85
244689CJ	C-2500	1	C	1.2	2500	Flat top	1.90"L x 1.00"Dia.	4.65	4.19	3.35
244347CJ	1/2D-2200	2	1/2 D	1.2	2200	Flat top	1.40"L x 1.30"Dia.	3.89	3.50	3.15
244566CJ	2/3D-2800	—	2/3 D	1.2	2800	Flat top	1.70"L x 1.30"Dia.	4.75	4.28	3.42
244697CJ	D-5000	3	D	1.2	5000	Flat top	2.40"L x 1.30"Dia.	6.99	6.29	5.66
244558CJ	D-5000-CT	4	D	1.2	5000	Consumer tip	2.40"L x 1.30"Dia.	7.79	7.60	7.45
244419CJ	3/2D(F)-8000	5	F	1.2	8000	Flat top	3.45"L x 1.30"Dia.	18.49	16.64	13.31
126720CJ	351FT	6	—	3.6	60	2-lead (pin), barrel	0.72"L x 1.28"Dia.	4.49	4.05	3.65
119116CJ	3/V60R	7	—	3.6	60	3-lead (pin), barrel	0.74"L x 0.61"Dia.	3.75	3.39	3.05
101653CJ	NA101-1	8	—	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.49	4.95	3.95


Fig. 13


Fig. 14


Fig. 15

NiMH – Rechargeable

SALE

Part Number	Mfr. Cross Ref.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244937CJ	PRIZ-F6(48)-700	—	—	1.2	700	Flat top-prizmatic	1.86"L x 0.65"W x 0.23"T	$2.85	$2.56	$2.31
244945CJ	PRIZ-7/5F6-1100	9	—	1.2	1100	Flat top-prizmatic	2.63"L x 0.65"W x 0.23"T	3.75	3.38	3.04
244582CJ	2/3AAA-300	10	2/3 AAA	1.2	300	Flat top	1.11"L x 0.40"Dia.	1.34	1.21	1.09
244785CJ	5/4AAA-750	11	5/4 AAA	1.2	750	Flat top	2.00"L x 0.40"Dia.	2.29	2.06	1.65
261665CJ	AAA-700FT	12	AAA	1.2	700	Flat top	1.70"L x 0.40"Dia.	2.25	1.99	1.91
244806CJ	4/5AA-1200	13	4/5 AA	1.2	1200	Flat top	1.70"L x 0.55"Dia.	2.95	2.66	2.12
244814CJ	AA-1800	14	AA	1.2	1800	Flat top	1.90"L x 0.55"Dia.	2.35	2.12	1.99
244822CJ	AA-1800-CT	15	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	2.35	2.12	1.99
244831CJ	4/3AA-1900	16	4/3 AA	1.2	1900	Flat top	2.60"L x 0.55"Dia.	6.19	5.57	4.46
244857CJ	2/3A-1100	17	2/3 A	1.2	1100	Flat top	1.10"L x 0.65"Dia.	3.25	2.92	2.63
244864CJ	4/5A-1800	18	4/5 A	1.2	1800	Flat top	1.70"L x 0.65"Dia.	2.85	2.56	2.36
244970CJ	A-2200	19	A	1.2	2200	Flat top	1.90"L x 0.65"Dia.	3.35	3.02	2.78
244873CJ	4/3A-2500	20	4/3 A	1.2	2500	Flat top	2.60"L x 0.65"Dia.	4.79	4.31	4.17
244890CJ	SC-2900-HD	21	Sub-C	1.2	2900	Flat top, high discharge	1.70"L x 0.90"Dia.	6.49	6.04	5.89
244902CJ	D-9000	22	D	1.2	9000	Flat top	2.40"L x 1.30"Dia.	19.29	17.36	13.89
244911CJ	D-9000-CT	22	D	1.2	9000	Consumer tip	2.40"L x 1.30"Dia.	21.45	17.54	16.08
244620CJ	9V-200	23	9V	9	200	Snaps	1.94"L x 0.65"Dia.	7.79	6.92	6.22


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20


Fig. 21

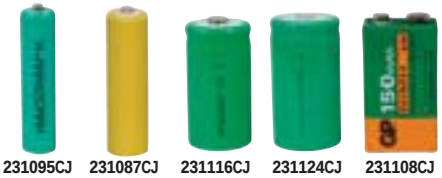

Fig. 22


Fig. 23

Batteries

Long-Lasting Rechargeable NiMH Batteries

Why buy & throw away hundreds of batteries? Now you can reuse longer-lasting, money saving NiMH rechargeable batteries instead! They feature twice the power of NiCd batteries, so they're ideal for power-hungry devices like digital cameras and camcorders.


231095CJ 231087CJ 231116CJ 231124CJ 231108CJ

NiMH Batteries

Part No.	Description	1	10	25	100
231095CJ	2x AAA, 600mAh	$6.95	$6.25	$5.65	$5.05
231087CJ	4x AA, 1600mAh	13.95	12.55	11.29	10.19
231116CJ	2x C, 3000mAh	12.49	11.24	10.12	9.11
231124CJ	2x D, 7000mAh	17.99	16.19	12.95	10.96
231108CJ	1x "9V", 150mAh	8.39	7.95	7.59	7.19

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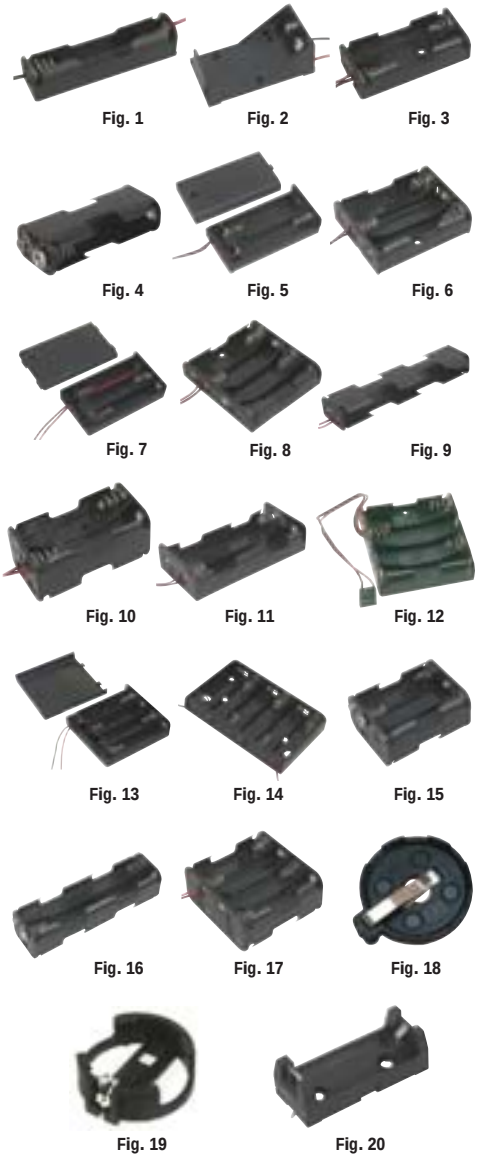
Battery Holders

SALE

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

Part No.	Mfr. Cross Ref.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216071CJ	BH-311-2A	1	1-AA	Wires	Single		$.69	$.62	$.56	$.46
216080CJ	BH-321-2A	3	2-AA	Wires	Single		.69	.62	.56	.50
216098CJ	BH-321-4A	3	2-AA	Wires	Single	With mounting tabs	.59	.53	.42	.32
216101CJ	SBH-321-2A	5	2-AA	Wires	Single	With cover, no switch	.59	.53	.42	.32
216119CJ	SBH-321-1AS	5	2-AA	Wires	Single	With cover and switch	.79	.71	.64	.54
216127CJ	BH-322-1B	4	2-AA	Snaps	Dual		.59	.53	.42	.32
216135CJ	BH-331-A	6	3-AA	Snaps	Single		.89	.79	.72	.65
216143CJ	SBH-331-AS	7	3-AA	Wires	Single	With cover and switch	.99	.79	.71	.53
216151CJ	BH-341-2A	8	4-AA	Wires	Single		.99	.89	.84	.79
105857CJ	✳	12	4-AA	Wires	Single	Wires with connector	.89	.80	.72	.60
216160CJ	BH-342-A	9	4-AA	Wires	Dual		.35	.28	.25	.23
216178CJ	BH-343-1A	10	4-AA	Wires	Dual		.65	.55	.47	.35
216186CJ	SBH-341-1AS	13	4-AA	Wires	Single	With cover and switch	1.09	.89	.85	.75
216194CJ	BH-341-2B	8	4-AA	Snaps	Single		.35	.31	.29	.26
216207CJ	BH-343-1B	10	4-AA	Snaps	Dual		.45	.38	.35	.32
216215CJ	BH-363-A	15	6-AA	Wires	Dual		.75	.68	.61	.55
216223CJ	BH-364-A	14	6-AA	Wires	Single		.95	.85	.69	.51
216231CJ	BH-363-B	15	6-AA	Snaps	Dual		.99	.75	.69	.65
216240CJ	BH-383-A	17	8-AA	Wires	Dual		1.09	.98	.78	.59
216258CJ	BH-382-B	16	8-AA	Snaps	Dual		1.19	1.07	.86	.64
216266CJ	BH-383-B	17	8-AA	Snaps	Dual		1.19	.99	.86	.64
216274CJ	BH-411-1A	1	1-AAA	Wires	Single		.29	.18	.16	.15
216282CJ	BH-421-1A	3	2-AAA	Wires	Single		.69	.59	.54	.49
216291CJ	SBH-421-AS	5	2-AAA	Wires	Single	With cover and switch	.33	.30	.27	.25
216303CJ	BH-431-1A	6	3-AAA	Wires	Single		.39	.35	.32	.29
216311CJ	SBH-431-1AS	7	3-AAA	Wires	Single	With cover and switch	.79	.69	.59	.49
216320CJ	BH-441-1A	8	4-AAA	Wires	Single		~~$.89~~ .79	.71	.57	.43
216338CJ	SBH-441-AS	13	4-AAA	Wires	Single	With cover and switch	1.25	1.12	.90	.68
216346CJ	BH-211-A	1	1-C	Wires	Single		.55	.50	.40	.30
216354CJ	BH-221-A	3	2-C	Wires	Single		~~$1.09~~ .99	.89	.71	.53
216362CJ	BH-242-1A	11	4-C	Wires	Single		1.39	1.29	1.09	.99
216371CJ	BH-111-1A	1	1-D	Wires	Single		.69	.62	.50	.37
216389CJ	BH-121-1A	3	2-D	Wires	Single		.89	.80	.72	.60
216397CJ	BH-121-1B	3	2-D	Snaps	Single		.49	.46	.42	.38
216400CJ	BH-142-A	11	4-D	Wires	Single		1.19	1.07	.96	.80
216418CJ	BH-143-1A	8	4-D	Wires	Single		1.15	.89	.81	.74
216426CJ	BH-9V-A	2	1-9V	Wires	Single		.79	.69	.64	.59
216434CJ	BH-511-1A	1	1-N	Wires	Single		.59	.53	.42	.32
38543CJ	2S2325	18	1-CR2354 or 2-CR2325	PC Mount	Coin cell		.99	.89	.71	.53
355434CJ	17002-00603	19	1-CR2032	PC Mount	Coin cell		.63	.58	.49	.47
Other Manufacturers — Limited Great Deals										
237315CJ	1029	20	1-2/3AA	PC Mount	Single		$.75	$.69	$.59	$.55
236996CJ	103	18	1-CR2032	PC Mount	Coin cell		~~$.95~~ .75	.68	.54	.40

✳ Battery holder used in many personal computers



Compact Battery Tester



Simply lift the swivel arm of this battery tester and place your battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, D, 9V, and button cell batteries.

SALE

Part No.	Description	1	5
239556CJ	Compact battery tester	$4.49	$3.99

"9-Volt" Battery Snaps and Clip

- Use with standard "9 volt" batteries
- Fully insulated; contacts are nickel-plated brass
- Leads are color-coded, stripped and pre-tinned
- Snap: male outer dia. = 0.225" • Female inner dia.: 0.215"


Fig. 1


Fig. 2


Fig. 3


Fig. 4

✳ 10 piece minimum

Part No.	Fig.	Description	Dimensions (in.) L	W	H	Pricing 1	10	100	1000
11279CJ	1	3", 26 AWG, 6 prong battery snap	1.0	.50	–	$.25	$.22	$.19	$.16
105793CJ	2	Battery holder clip	.63	.71	1.2	.28	.23	.16	.14
109153CJ	3	6", 26 AWG, 6 prong battery snap	1.0	.50	–	✳	.17	.15	.135
101469CJ	3	10", 26 AWG, 6 prong battery snap	1.0	.50	–	.29	.25	.21	.14
216451CJ	4	6", 26 AWG, 6 prong battery snap	1.0	.50	–	.34	.30	.20	.18

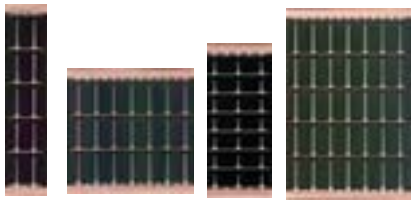
30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.
Details on page 269.

PowerFilm. Flexible Thin Film Solar Modules

Wireless Electronics Series

The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. These modules are lightweight, paper thin, and durable. With their ultra-film profile, they are easily integrated with devices for solar recharging or direct powering. Specifically developed to recharge AA, AAA, plus 6 and 12 volt batteries.

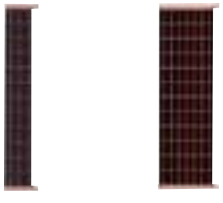


227993CJ 228013CJ 228030CJ 228064CJ

Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 10	Pricing 100
227985CJ	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	$3.89	$3.49	$3.19
227993CJ	TX 3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	2.89	2.45	1.99
171061CJ	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.89	5.29	4.99
228013CJ	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	8.89	7.99	7.19
228030CJ	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.89	5.29	4.79
228048CJ	MPT4.8-75	4.8	50	3.7 x 3.0 x .01	97 x 75 x 0.2	11.89	10.69	9.59
228056CJ	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	22.89	20.59	18.49
228064CJ	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	13.89	12.49	11.29
228072CJ	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	27.89	24.99	22.49
228099CJ	MP7.2-150	7.2	200	10.0 x 5.9 x .02	253 x 150 x 0.6	39.89	37.99	34.99
228101CJ	MPT15-75	15.4	50	10.0 x 3.0 x .02	253 x 75 x 0.6	26.89	24.29	21.99
228110CJ	MPT15-150	15.4	100	10.0 x 5.9 x .02	253 x 150 x 0.6	44.89	42.99	39.99

Remote Control Aircraft Series

Designed to be easily integrated with remote control aircraft or anywhere weight is critical. These modules are very lightweight. Solder can be applied from the back of the module via the extended copper tape, and the modules have an extra edge seal for protection. We offer versions with and without a strong pressure-sensitive adhesive for simple bonding.



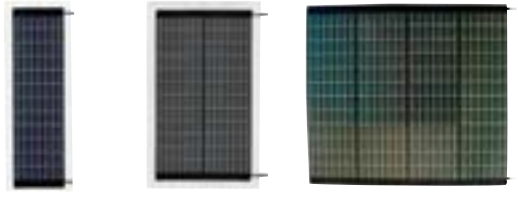
228136CJ 228144CJ/228152CJ

Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 10	Pricing 100
228136CJ	RC7.2-37PSA*	7.2	50	10.6 x 2.2 x .01	270 x 55 x 0.2	$19.39	$17.49	$15.79
228144CJ	RC7.2-75	7.2	100	10.6 x 3.5 x .01	270 x 90 x 0.2	29.89	26.99	24.29
228152CJ	RC7.2-75PSA*	7.2	100	10.6 x 3.5 x .01	270 x 90 x 0.2	32.89	29.79	26.79

*PSA = Pressure Sensitive Adhesive

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.



228161CJ/228187CJ 228179CJ/228195CJ 228208CJ

Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 10	Pricing 100
228161CJ	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	$39.89	$36.99	$33.99
228179CJ	P7.2-150	7.2	200	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	54.99	49.99
228187CJ	PT15-75	15.4	50	10.3 x 3.9 x .04	270 x 100 x 1.1	39.89	36.99	33.99
228195CJ	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	56.99	52.99
228208CJ	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.89	94.99	89.99

Mini-Panel Solar Cells

Ready to Use! No Soldering



200221CJ

Encapsulated mini-panels utilize solar cells similar to those that power our satellites in space, yet they are safe and simple to use. Mini-panels allow for handling without the normal breakage and cell damage associated with fragile solar cells. 6" red/black lead wires attached. Modules may be connected to create different outputs.

• Size: 3.8"L x 2.5"W • Connection: lead

Part No.	Prod. No.	VDC @ mA	Size (LxW)	1	10
200205CJ	SOL2	0.5 @ 800	2.6" x 3.7"	$7.95	$7.15
200221CJ	SOL4	2.0 @ 200	3.0" x 3.7"	8.99	7.99
215319CJ	4-3.0-100	3.0 @ 100	3.8" x 2.5"	14.29	12.89
215327CJ	4-6.0-50	6.0 @ 50	3.8" x 2.5"	15.79	14.39

Forever Keychain Light



This miniature rechargeable light lasts for years, and you'll never need to change a battery or bulb. Energized by solar cells, it is entirely self-contained. A squeeze turns on the LED, emitting yellow light. Perfect for keychain or gift.

• Size: 2"Dia. x 0.5"Thick

SALE

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
215212CJ	Forever keychain light ✪	$14.15	$12.85

Trick Trickle, No Drop



Jameco ideas just never stop! No one needs to tell you that solar cells can be used to charge outdoor projects in many sunny parts of the world. But even self-charging systems can benefit from solar cells!

If you're designing systems for occasional-use applications like field-based monitoring and control systems, boats, recreational vehicles, etc., remember that leakage current, even in your newest rechargeable batteries, will deplete them over time.

A simple trickle charger can prevent resulting surprises. And when external power sources are not available, solar cells can provide ample current to keep your batteries fresh and ready to go! Plus, their relatively low cost is great insurance that can prevent mission-critical failures.

Practical Practices
Money Saving Tips for the Engineer

Free Technical Support



Our knowledgeable Tech Support department is ready to answer your questions. Just call us!
1-800-831-4242

Super Bright, Super Reliable LED Flashlight



Containing space-age solid-state circuitry, batteries last 14X longer than conventional flashlights. Its super bright white LEDs will last at least 11 years.

- Waterproof, designed for all weather conditions
- One month continuous operation using three "D" cell batteries (not included, P/N 215845CJ, pg 194)
- Rubber over-molding • Weight: 0.8 lbs.

Part No.	Prod. No.	LEDs	Length	1	10
215677CJ	LW-4000	10	10.6"	$63.95	$60.79

Color Code Legend
New Sale Lower$ QtySave

Serial LCD Displays

Scott Edwards Electronics, Inc.

• For detailed specification sheets, please visit **www.Jameco.com**. • One year warranty

Scott Edwards ILM-216L
• 16 x 2 characters • 2.8" x 1.0" display



150990CJ

Matrix Orbital LK162-12
• 16 x 2 characters • 2.5" x 0.7" display



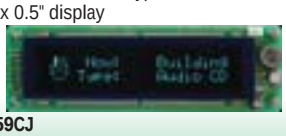
174166CJ

Scott Edwards BPI-216N
• 16 x 2 characters • 2.8" x 1.0" display



133129CJ

Matrix Orbital VK202-25
• 20 x 2 characters w/ keypad interface
• 2.8" x 0.5" display



281359CJ

Matrix Orbital LCD2041
• 20 x 4 characters • 3.0" x 1.0" display



150957CJ

Matrix Orbital LK204-25
• 20 x 4 characters w/ keypad interface
• 3.0" x 1.0" display



157323CJ

Matrix Orbital GLK12232-25-SM
• 20 x 4 characters with graphics
• 2.4" x 0.7" display



281391CJ

Matrix Orbital GLK12232-25-WBL
• 20 x 4 characters with graphics
• 3.3" x 1.4" display



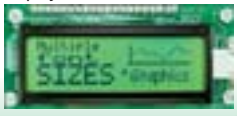
281404CJ

Matrix Orbital VFD2041
• 20 x 4 characters • 3.0" x 1.0" display



303554CJ

Scott Edwards SGX-120L
• 20 x 4 characters with graphics
• 2.6" x 1.1" display



158166CJ

Matrix Orbital VK204-25
• 20 x 4 characters • 2.8" x 0.8" display



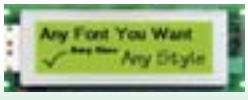
281375CJ

Scott Edwards BPP-440L
• 40 x 4 characters • 6.7" x 1.7" display



136485CJ

Matrix Orbital GLC24064
• 40 x 8 characters with graphics
• 5.2" x 1.5" display



174182CJ

Matrix Orbital GLK24064-25
• 40 x 8 characters with graphics
• 5.0" x 1.3" display



281412CJ

Recommended Power Supply
(P/N 164101CJ)
for these LCD Displays...
See page 185.

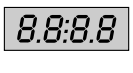


Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	Pricing 10	Pricing 25
150990CJ	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Y	1,2,5	3.2x2.0x0.5	2.8 x 1.0	**$48.95**	**$44.09**	**$39.99**
174166CJ	Matrix Orbital	LK162-12	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,3,4,6	3.2x1.5x0.8	2.5 x 0.7	**51.99**	**49.99**	**47.99**
133129CJ	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V - 5.5V @ 3mA	N	1, 2,11	3.1x1.4x0.7	2.8 x 1.0	**59.95**	**53.99**	**48.99**
281359CJ	Matrix Orbital	VK202-25	20 x 2 w/ keypad interface	1200 - 19,200	5.0V @ 130mA	Y	1,7,10	4.6x1.5x0.9	2.8 x 0.5	**88.99**	**87.97**	**84.47**
150957CJ	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Y	1,3,4,6	3.9x2.4x0.7	3.0 x 1.0	**57.99**	**55.99**	**54.99**
157323CJ	Matrix Orbital	LK204-25	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,3,4,6	3.7x2.4x1.1	3.0 x 1.0	**77.99**	**75.99**	**73.99**
281391CJ	Matrix Orbital	GLK12232-25-SM	20 x 4 w/ graphics	9600 - 115,000	5.0V @ 250mA	Y	1,8	3.4x1.4x0.5	2.4 x 0.7	**68.99**	**67.99**	**65.49**
281404CJ	Matrix Orbital	GLK12232-25-WBL	20 x 4 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,8	3.9x2.4x0.4	3.3 x 1.4	**74.99**	**73.99**	**71.19**
303554CJ	Matrix Orbital	VFD2041	20 x 4	1200 - 19,200	5.0V @ 20mA	Y	1,4,10	3.9x2.4x1.1	3.0 x 1.0	**105.99**	**102.99**	**99.99**
158166CJ	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	9V bat. or 5.0V@45mA	Y	1,2,5	3.1x1.9x0.8	2.6 x 1.1	**119.95**	**107.99**	**103.00**
281375CJ	Matrix Orbital	VK204-25	20 x 4	1200 - 19,200	5.0V @ 220mA	Y	1,4,10	3.8x2.4x1.0	2.8 x 0.8	**114.49**	**113.50**	**108.73**
136485CJ	Scott Edwards	BPP-440L	40 x 4	1200 - 9600	5.0V @ 10mA	Y	1, 2,11	7.5x2.2x0.9	6.7 x 1.7	**149.95**	**142.45**	**136.49**
174182CJ	Matrix Orbital	GLC24064	40 x 8 w/ graphics	1200 - 19,200	5.0V @ 31mA	Y	1,3,6	7.1x2.6x0.7	5.2 x 1.5	**165.99**	**161.69**	**157.49**
281412CJ	Matrix Orbital	GLK24064-25	40 x 8 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,9	7.1x2.6x1.1	5.0 x 1.3	**192.99**	**192.00**	**183.30**

*1. For power supply, recommend P/N 164101CJ, pg 185.
2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included.)
3. Manual and software included
4. Connect 16 modules using the same two wire interface
5. EEPROM stores text font, settings, and text screen
6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature.
7. Connect 127 modules on the same 2-wire interface
8. 122 x 32 pixel graphics display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs
11. LCD Serial Backpack® accepts RS232, CMOS or TTL signal.

VL 0.5" High 4-Digit Field Effect LCD Display

- Compatible with socket P/N 78641CJ (2), pg 119
- Pin spacing: 0.1" centers
- 40-pin package (no connector required)
- Digital multimeters, thermometers, pressure gauges, timers, frequency counters, and clocks (12 or 24 hour format)





Part No.	Product No.	Size (W x H x D)	1	10	25
17110CJ	402-DP-RC-S	2.0" x 1.2" x 0.1"	**$14.95**	**$13.49**	**$12.15**

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.



Quantity SAVE

Parallel LCD Displays

• For detailed specification sheets, please visit **www.Jameco.com**. • 90-day Jameco warranty

Ampire AC-162A
• 16 x 2 characters • 2.5" x 0.7" display

171715CJ

PicVue PVC160204A
• 16 x 2 characters • 2.6" x 0.7" display

277384CJ

PicVue PVC160205
• 16 x 2 characters • 3.9" x 0.9" display

277392CJ

Optrex DCM16204N-LR-B
• 16 x 2 characters • 3.9" x 0.9" display

320098CJ

Optrex DM16433
• 16 x 4 characters
• 2.4" x 1.0" display

210761CJ

Samsung 9936
• 20 x 1 characters • 6.5" x 1.3" display

206615CJ

Ampire AC-202A
• 20 x 2 characters • 3.3" x 0.7" display

171723CJ

Optrex DM2026IANB-2Y-20
• 20 x 2 characters • 3.3" x 0.7" display

320071CJ

PicVue PVC200401
• 20 x 4 characters • 3.0" x 1.0" display

277376CJ

Solomon LM1200SGR
• 24 x 2 characters • 3.7" x 0.7" display

320101CJ

Solomon LM1030SGR
• 40 x 2 characters • 6.0" x 0.6" display

320039CJ

Ocular OM4021-WGS-01
• 40 x 2 characters • 6.0" x 0.6" display

277325CJ

Optrex 20-20191-2
• 40 x 2 characters • 5.8" x 0.5" display

215159CJ

Emerging Display EW40420GLY
• 40 x 4 characters • 5.9" x 1.2" display

277253CJ

PicVue PG121202A
• 128 x 128 pixels
• 2.7" x 2.7" display

277333CJ

PicVue PVG240602A
• 240 x 64 pixels • 5.2" x 1.5" display

277350CJ

Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	10	25
171715CJ	Ampire	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Y	3, 5	3.4 x 1.2 x 0.5	2.5 x 0.7	$13.99	$13.35	$12.65
277384CJ	PicVue	PVC160204A	16 x 2	5 x 7	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.4 x 0.5	2.6 x 0.7	13.99	11.99	9.99
365982CJ	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.2 x 0.5	2.4 x 0.63	13.99	11.99	9.99
277392CJ	PicVue	PVC160205	16 x 2	5 x 8	4-bit or 8-bit	5.2V @ 1.2mA	Y	—	4.8 x 1.7 x 0.5	3.9 x 0.9	19.95	18.95	17.99
320098CJ	Optrex	DCM16204N-LR-B	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Y	5	3.2 x 1.6 x 0.6	2.4 x 0.6	14.55	12.37	9.28
210761CJ	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	N	1, 5	3.4 x 2.4 x 0.3	2.4 x 1.0	22.95	19.95	18.69
206615CJ	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	N	2	7.2 x 1.6 x 0.4	6.5 x 1.3	19.99	16.99	12.75
171723CJ	Ampire	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Y	3, 5	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
320071CJ	Optrex	DM2026IANB-2Y-20	20 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Y	5	4.6 x 1.5 x 0.6	3.3 x 0.7	19.89	17.89	15.59
277376CJ	PicVue	PVC200401 ✪	20 x 4	5 x 8	8-bit	5.0V @ 1.6mA	N	—	3.9 x 2.4 x 0.4	3.0 x 1.0	23.29	20.19	16.85
320101CJ	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	4.6 x 1.4 x 0.4	3.7 x 0.7	15.59	13.35	11.99
320039CJ	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	7.2 x 1.2 x 0.3	6.0 x 0.6	22.15	18.83	14.12
277325CJ	Ocular	OM4021-WGS-01	40 x 2	5 x 8	8-bit	5.0V @ 2.5mA	Y	5	7.2 x 1.3 x 0.6	6.0 x 0.6	24.95	21.25	15.95
215159CJ	Optrex	20-20191-2	40 x 2	5 x 8	8-bit	5.5V @ 5mA	Y	4	7.2 x 1.4 x 0.4	5.8 x 0.5	29.99	25.49	18.95
277253CJ	Emerging Display	EW40420GLY	40 x 4	5 x 7	8-bit	4.0V @ 10mA	Y	—	7.5 x 2.1 x 0.6	5.9 x 1.2	42.39	38.79	34.95
277333CJ	PicVue	PG121202A	128 x 128 pixels	128 x 128	8-bit	5.0V @ 6.0mA	N	6	3.5 x 3.5 x 0.4	2.7 x 2.7	45.29	41.25	37.15
277350CJ	PicVue	PVG240602A	240 x 64 pixels	240 x 64	8-bit	5.0V @ 6.0mA	N	6	7.1 x 2.6 x 0.4	5.2 x 1.5	61.95	56.75	46.85

*1. Control LSI HD44780 or equivalent and column driver MSM5259 or equivalent; 2. Built-in controller HD44780; 3. Controller KS0066U or equivalent; 4. Column driver: KS0063B; 5. For power supply: recommend P/N 164101CJ, pg 185); 6. Dot Graphic LCD display

✪ Blue Part No. = Limited Quantity Available

0.6" High 3½- & 4½-Digit LCD Digital Panel Meters

• Input Ranges: 200mV, 20V, 200V, 500V • Input impedance: >100MΩ
• Accuracy: ±0.5% • Size: 2.7"W x 1.7"H • Automatic polarity indication
• Supply voltage: 8-12VDC (recommend 9V battery P/N 151095CJ, pg 194)

146835CJ: Backlit display **Includes:** Bezel


108388CJ


175951CJ


146835CJ


123140CJ

Part No.	Product No.	Digits	1	10	25
108388CJ	PM-428	3½	$12.95	$11.95	$10.95
175951CJ	PM-128	3½	12.95	11.95	10.95
146835CJ	PM-188BL	3½	19.95	17.99	16.19
123140CJ	PM-328	4½	27.95	24.95	22.49

Analog Panel Meters

• Includes mounting hardware • Size: **A:** 2.4"W x 1.8"H x 1.3"D
• **316507CJ:** includes current shunt **B:** 2.8"W x 2.4"H x 1.4"D

Part No.	Product No.	Measurement Range	Size	1	4
316603CJ	AVM6015	0 – 15VDC	A	$9.29	$7.85
316671CJ	AVM7015	0 – 15VDC	B	8.79	7.49
316638CJ	AVM6030	0 – 30VDC	A	8.79	7.49
316654CJ	AVM7030	0 – 30VDC	B	8.79	7.49
316718CJ	AVM60150	0 – 150VAC	A	8.79	7.49
316785CJ	AVM60300	0 – 300VAC	A	8.79	7.49
315301CJ	AIM60005	0 – 50uA	A	9.29	7.85
316523CJ	AIM6050	0 – 50mA	A	8.79	7.49
316486CJ	AIM60100	0 – 100mA	A	8.99	7.65
316558CJ	AIM60500	0 – 500mA	A	8.99	7.65
316566CJ	AIM60500	0 – 5A	A	8.79	7.49
316582CJ	AIM705000	0 – 5A	B	8.79	7.49
316494CJ	AIM6010A	0 – 10A	A	8.79	7.49
316507CJ	AIM6030A	0 – 30A	A	8.79	7.49


316603CJ


316523CJ

LCDs

Motherboards, Memory and Heat Sinks

For compatible ATX power supplies, see page 210

For Even More Motherboards Visit www.Jameco.com/Motherboards

Color Code Legend: New Sale Lower$ QtySave

Processor-Based Motherboards†


345130CJ


345092CJ


345156CJ


285085CJ


285114CJ


285157CJ

Jameco Part No.	Mfr.	Model No.	Board Style	Processor Support	FSB (MHz)	Chipset	On-Board Graphics	Memory Type	On-Board Audio	USB	HDD Support	On-Board LAN	Wt. (lbs.)	Warranty (Yrs.)	Pricing 1	Pricing 10
345050CJ	Giga-Byte	GA-8S648FX-RZ♠	ATX	P4	800/533/400	661FX/963L	No	DDR400/333/266	Yes	2.0	ATA	100Mb	2.6	3	$76.55	$72.85
345130CJ	Giga-Byte	GA-8IPE1000-G♠	ATX	P4	800/533/400	i865PE	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.3	3	131.55	106.75
345164CJ	Giga-Byte	GA-8IPE1000PRO-G♠	ATX	P4	800/533/400	i865PE	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.6	3	131.55	124.95
345560CJ	Intel	BOXD915GAVL♠	ATX	P4	800/533	i915G	Yes	DDR333/400	Yes	2.0	SATA	100Mb	2.9	3	149.45	141.99
345578CJ	Intel	BOXD915PBLL♠	ATX	P4	800/533	i915P	No	DDR2 533/400	Yes	2.0	SATA	100Mb	4.7	3	198.99	196.25
345586CJ	Intel	BOXD915PCYL♠	ATX	P4	800/533	i915P	No	DDR2 533/400	Yes	2.0	SATA	100Mb	2.9	3	157.45	149.55
285131CJ	Intel	S875WP1♠	ATX	P4	533	i875P	Yes	DDR400/333/266	No	2.0	SATA	100Mb	2.7	3	256.35	245.99
285093CJ	Intel	BOXD865PERLL♠	ATX	P4/CEL	800/533/400	i865PE	No	DDR400/333/266	Yes	2.0	ATA	100Mb	3.1	3	142.39	128.15
285077CJ	Intel	BOXD865GBFL♠	ATX	P4/CEL	800/533/400	i865G	Yes	DDR400/333/266	Yes	2.0	SATA	100Mb	2.8	3	131.05	123.49
345543CJ	Intel	BOXD865PERLX♠	ATX	P4/Celeron	800/533/400	i865PE	No	DDR400-333/266	Yes	2.0	SATA	100Mb	2.6	3	118.85	112.89
285106CJ	Intel	BOXD875PBZLK♠	ATX	P4/CEL	800/533	i875P	No	DDR400/333	No	2.0	SATA	1000Mb	2.9	3	205.89	199.99
345092CJ	Giga-Byte	GA-7N400-L♠	ATX	Athlon XP*	400/333/266/200	nForce2 400	No	DDR400/333/266	Yes	2.0	ATA	100Mb	3.0	3	90.25	85.74
345121CJ	Giga-Byte	GA-7VT600-1394♠	ATX	Athlon XP*	400/333/266/200	KT600	No	PC3200/2700/2100	Yes	2.0	SATA	100Mb	2.8	3	103.69	98.49
345148CJ	Giga-Byte	GA-8TRS350MT♠	µATX	P4	800/533/400	9100 Pro IGP	Yes	DDR400/333/266	Yes	2.0	SATA	100Mb	4.0	3	113.95	108.25
345156CJ	Giga-Byte	GA-8IG1000MK-B♠	µATX	P4	800/533/400	i865G	No	DDR400/333/266	Yes	2.0	SATA	100Mb	3.8	3	129.99	123.55
345172CJ	Giga-Byte	GA-8I915G-MF♠	µATX	P4	800/533/400	i915G/ICH6	Yes	DDR400/333	Yes	2.0	SATA	1000Mb	3.8	3	127.65	124.99
345551CJ	Intel	BOXD915GAGL♠	µATX	P4	800/533	i915G	Yes	DDR333/400	Yes	2.0	SATA	100Mb	2.7	3	141.85	136.59
345594CJ	Intel	BOXD925XBCLK♠	µATX	P4	800/533	i925X	No	DDR2 533/400	Yes	2.0	SATA	1000Mb	4.5	3	248.99	247.99
345033CJ	Giga-Byte	GA-8I845GVM-RZ♠	µATX	P4	533/400	i845GV	Yes	DDR333/266/200	Yes	2.0	ATA	100Mb	1.8	3	76.35	72.49
285085CJ	Intel	BOXD865GLCL♠	µATX	P4/CEL	800/533	i865G	Yes	DDR400/333	Yes	2.0	SATA	100Mb	2.5	3	142.09	134.95
285114CJ	Intel	BOXD845GVSRL♠	µATX	P4/CEL	533/400	i845GV	Yes	DDR 333/266	Yes	2.0	ATA	100Mb	2.1	3	79.95	74.95
345535CJ	Intel	BOXD845GVFNL♠	µATX	P4/Celeron	533/400	i845GV	Yes	DDR333/266/200	Yes	2.0	ATA	100Mb	2.0	3	65.59	62.35
345041CJ	Giga-Byte	GA-7VM400M-RZ♠	µATX	Athlon XP*	333/266/200	KM400	Yes	DDR333/266/200	Yes	2.0	ATA	100Mb	2.3	3	76.79	72.95
285157CJ	Intel	SE7505VB2♠	eATX	2 x Xeon	533/400	iE7505	Yes	DDR200/266	No	2.0	SATA	100Mb	3.8	3	474.15	469.79

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

*Also compatible w/ Athlon and Duron processors. † For complete specs see www.Jameco.com

DIMM and SIMM Memory Modules

For Even More DRAM Modules Visit www.Jameco.com/DRAM

DDR Memory Modules

Part No.	Mfr. Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
354634CJ	32464468-P♠	128M	SDR133	16M x 64	168	$30.19	$28.69
354642CJ	32474468-P♠	256M	SDR133	32M x 64	168	53.19	50.55
354651CJ	32484588-P♠	512M	SDR133	64M x 64	168	102.59	97.49
354669CJ	35122468-P♠	128M	DDR PC2100	16M x 64	184	27.35	25.95
354677CJ	35132588-P♠	256M	DDR PC2100	32M x 64	184	50.49	47.95
354685CJ	35142588-P♠	512M	DDR PC2100	64M x 64	184	92.25	87.65
354693CJ	35124468-PA♠	128M	DDR PC2700	16M x 64	184	36.09	34.29
354706CJ	35134588-PB♠	256M	DDR PC2700	32M x 64	184	47.45	45.09
354714CJ	35144588-PA♠	512M	DDR PC2700	64M x 64	184	97.65	92.75
354722CJ	35154680♠	1G	DDR PC2700	128M x 64	184	233.99	222.45
354731CJ	35125468-P♠	128M	DDR PC3200	16M x 64	184	37.09	35.25
354749CJ	35135588-PB♠	256M	DDR PC3200	32M x 64	184	52.25	49.65
354757CJ	35145588-PA♠	512M	DDR PC3200	64M x 64	184	94.79	89.99
354765CJ	35155680♠	1G	DDR PC3200	128M x 64	184	299.99	284.99

Kingston Memory Modules

Part No.	Mfr. Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
284998CJ	KVR400X64C25/512	512MB	DDR400 ♠	64M x 64	184	$135.69	$127.89
285026CJ	KVR266X64C25/512	512MB	DDR266 ♠	64M x 64	184	114.15	102.75
285018CJ	KVR266X64C25/256	256MB	DDR266 ♠	32M x 64	184	69.95	66.45
285042CJ	KVR133X64C3/256	256MB	PC133 ♠	32M x 64	168	68.29	64.89
285034CJ	KVR133X64C3/128	128MB	PC133 ♠	16M x 64	168	37.95	32.45

♠ These products ship from a separate warehouse and may not ship same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Legacy Memory Modules

Part No.	Mfr. Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
148419CJ	16MBX64SDRAM	128MB	10ns Syn. DRAM DIMM	16M x 64	168	$65.95	$59.95
148401CJ	8MBX64SDRAM	64MB	10ns Syn. DRAM DIMM	8M x 64	168	28.19	26.95
148451CJ	JEED07264	64MB	60ns SIMM EDO	16M x 32	72	29.95	28.45
148398CJ	4MBX64SDRAM	32MB	10ns Syn. DRAM DIMM	4M x 64	168	18.39	16.59
148460CJ	8MBX36-60	32MB	60ns SIMM	8M x 36	72	39.95	36.99
148443CJ	JEED07232	32MB	60ns SIMM EDO	8M x 32	72	43.95	39.59
75184CJ	P364000-XX-6	16MB	60ns SIMM	4M x 36	72	21.95	20.95
130711CJ	JEED07216	16MB	60ns SIMM EDO	4M x 32	72	12.75	11.45
75096CJ	P362000-XX-6	8MB	60ns SIMM	2M x 36	72	21.55	19.39
130729CJ	JEED07208	8MB	60ns SIMM EDO	2M x 32	72	9.95	7.45
285667CJ	HB56U232	8MB	70ns SIMM	2M x 36	72	8.95	6.95
75133CJ	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	12.95	11.65
41751CJ	421000A9B-70	1MB	70ns SIMM	1M x 9	30	3.95	3.45

CPU Heat Sinks and Fans*

Part No.	Description	Size (H" x W" x D")	Approvals	1	10
206244CJ	Heat sink w/ dual fan slot (SECC 2)	5.25 x 1.95 x 1.30	CE	$12.95	$11.65
319951CJ	Heat sink w/ fan for PIII slot 1	2.0 x 4.9 x 8.5	—	9.85	8.85
181278CJ	Heat sink w/ fan for socket 7 (ATX)	2.12 x 2.05 x 1.67	UL/CE/CSA	8.49	7.65
190545CJ	Heat sink w/ fan for socket 370	2.45 x 2.42 x 2.10	—	13.55	12.19
319185CJ	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	—	7.65	7.25
118092CJ	Heat sink w/ fan for 586 CPU w/ snap ✪	2.18 x 2.30 x 0.86	UL/CE/TUV	4.95	4.49
129226CJ	Heat sink for 486 CPU – adhesive back	1.70 x 1.63 x 0.36	—	2.95	2.65
191636CJ	Heat sink w/ fan for 486 CPU w/ clip	1.85 x 1.92 x 0.72	UL/CE/TUV	5.95	5.36
174115CJ	Heat sink w/ fan for 486 CPU w/ snap†	1.93 x 1.96 x 0.93	UL/CU	3.95	2.96
309340CJ	Heat sink w/ fan for socket 7 (AT/ATX)	1.57 x 2.03 x 2.07	—	8.99	8.59
308742CJ	Heat sink w/ fan for 586 CPU w/ snap†	0.73 x 2.05 x 1.94	—	11.39	10.25

† 14" lead wires * See website for photos ✪ Blue Part No. = Limited Quantity Available

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Boxed Processors



Desktop Processors

Part No.	Product Name	Mfr. Part No.	Speed (GHz)	FSB (MHz)	Cache	Package	1	10
345471CJ	Xeon†	BX80532KE2800D ♠	2.8	533	512kB	mPGA-604	$365.95	$351.39
344532CJ	Xeon	RN80532KC041512 ♠	2.0	400	512kB	INT3	231.25	217.29
344567CJ	Xeon LV	RK80532EC025512 ♠	1.6	400	512kB	FC-PGA2p	252.69	237.49
344541CJ	Xeon LV	RK80532EC041512 ♠	2.0	400	512kB	FC-PGA2p	249.99	243.45
283397CJ	Pentium® 4†*	BX80532PG2400D ♠	2.4	800	512kB	mPGA-478	205.95	199.29
283354CJ	Pentium® 4†*	BX80546PE2800D ♠	2.8	533	512kB	mPGA-478	247.09	234.75
283291CJ	Pentium® 4†*	BX80532PG2800E ♠	2.8	800	1MB	mPGA-478	257.95	250.25
283320CJ	Pentium® 4†*	BX80532PG3000D ♠✪	3.0	800	512kB	mPGA-478	293.55	264.19
283338CJ	Pentium® 4†*	BX80532PE3066D ♠✪	3.06	533	512kB	mPGA-478	293.75	264.35
283311CJ	Pentium® 4†*	BX80532PG3200D ♠	3.2	800	512kB	mPGA-478	367.09	329.39
283274CJ	Pentium® 4†*	BX80546PG3200E ♠	3.2	800	1MB	mPGA-478	311.59	304.99
345498CJ	Pentium 4†	BX80547PG3200E ♠	3.2	800	1MB	Socket T	305.99	293.99
345480CJ	Pentium 4†	BX80532PG3400FS ♠	3.4	800	512kB	Socket T	1,353.89	1,286.25
283451CJ	Celeron®†	BX80532RC2000B ♠	2.0	400	128kB	mPGA-478	91.09	88.85
283434CJ	Celeron®†	BX80532RC2400B ♠	2.4	400	128kB	mPGA-478	99.49	96.45
283418CJ	Celeron®†	BX80532RC2600B ♠	2.6	400	128kB	mPGA-478	126.35	119.95
345519CJ	Celeron D†	BX80546RE2400C ♠	2.4	533	256kB	—	104.25	99.05

♠ These products ship from a separate warehouse and may not ship same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. † Includes active heat sink; * Hyper-threading technology
✪ Blue Part No. = Limited Quantity Available

Embedded Processors

Part No.	Product Name	Mfr. Part No.	Speed (MHz)	FSB (MHz)	Cache	Package	1	10
344241CJ	Pentium	A8050266166	166	66	—	SPGA	$79.45	$62.69
344276CJ	Pentium MMX	FV80503CSM66166	166	66	—	PPGA-296	77.99	61.55
344268CJ	Pentium MMX	FV80503CSM66266	266	66	—	PPGA-296	80.89	71.09
344313CJ	Pentium II	KC80524KX266256	266	66	256kB	BGA1	103.45	90.89
344284CJ	Pentium II	KC80524KX333256	333	66	256kB	BGA1	103.45	90.89
344452CJ	Pentium III	KC80526LY400256	400	100	256kB	BGA2	117.55	103.29
344444CJ	Pentium III	KC80526LY500256	500	100	256kB	BGA2	133.25	117.09
344401CJ	Pentium III	RB80526PY600256	600	100	256kB	FC-PGA	117.55	103.29
344436CJ	Pentium III	KC80526GY850256	850	100	256kB	BGA2	107.39	100.95
344428CJ	Pentium III	RB80526PY700256	700	100	256kB	FC-PGA	117.55	103.29
344410CJ	Pentium III	RB80526PZ001256	1000	133	256kB	FC-PGA	133.25	117.09
344575CJ	Pentium III	RK80530KZ012512	1250	133	512kB	FC-PGA2	230.19	218.69
344516CJ	Pentium 4	RK80532PC041512	2000	400	512kB	mPGA-478	238.79	224.45
344559CJ	Pentium 4	RK80532PE056512	2400	533	512kB	mPGA-478	183.99	181.55
344305CJ	Celeron	FV80524RX300128	300	66	128kB	PGA-370	84.49	66.69
344348CJ	Celeron	KC80526LY400128	400	100	128kB	BGA2	81.25	64.15
344330CJ	Celeron	FV80524RX433128	433	66	128kB	PPGA	73.35	64.45
344399CJ	Celeron	RB80526RX733128	733	66	256kB	FC-PGA	72.19	56.99
344381CJ	Celeron	RB80526RY850128	850	100	128kB	FC-PGA	72.19	56.99
344356CJ	Celeron	RK80530RY009256	1200	100	256kB	FC-PGA2	78.39	68.89
344461CJ	Celeron	RK80532RC041128	2000	400	128kB	mPGA-478	94.05	91.79
344479CJ	Celeron	RK80532RC060128	2500	400	128kB	mPGA-478	117.55	103.29

Upgrade, Don't Downgrade!



While many consider adding a hard drive to their PC rather painless, there are a couple of issues you should consider. Otherwise, your bigger, faster storage may end up slower and with less capacity.

First, always make sure you buy a drive that matches your computer. UATA for a computer with a UATA interface, SATA for SATA, etc. Otherwise, your system will either be incompatible, or it won't take advantage of the higher drive speed.

Second, pay attention to the drivers sent with the hard drive. These drivers enable older systems to access the whole hard drive. Sometimes they increase transfer speed too!

Practical Practices
Money Saving Tips for the Engineer

Hard Disk Drives



3.5" LP EIDE/100 Disk Drives

Part No.	Model No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
319361CJ	WD2500SB ♠	250GB	EIDE/100	7200	8.9	8	3 yrs	$243.59	$231.49
319370CJ	WD1600SB ♠	160GB	EIDE/100	7200	8.9	8	3 yrs	143.55	136.59
319388CJ	WD1200SB ♠	120GB	EIDE/100	7200	8.9	8	3 yrs	131.39	124.85

3.5" LP UATA/100 Disk Drives

Part No.	Model No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
319441CJ	WD2500JB ♠	250GB	UATA/100	7200	8.9	8	3 yrs	$228.55	$217.15
319505CJ	WD2500BB ♠	250GB	UATA/100	7200	8.9	2	1 yr	223.45	212.29
319450CJ	WD2000JB ♠	200GB	UATA/100	7200	8.9	8	3 yrs	151.69	144.35
319513CJ	WD2000BB ♠	200GB	UATA/100	7200	8.9	2	1 yr	146.25	139.15
319468CJ	WD1600JB ♠	160GB	UATA/100	7200	8.9	8	3 yrs	129.99	123.59
319521CJ	WD1600BB ♠	160GB	UATA/100	7200	8.9	2	1 yr	117.85	111.95
319476CJ	WD1200JB ♠	120GB	UATA/100	7200	8.9	8	3 yrs	115.15	109.35
319530CJ	WD1200BB ♠	120GB	UATA/100	7200	8.9	2	1 yr	106.99	101.65
319484CJ	WD800JB ♠	80GB	UATA/100	7200	8.9	8	3 yrs	89.39	84.99
319548CJ	WD800BB ♠	80GB	UATA/100	7200	8.9	2	1 yr	79.89	75.95
319492CJ	WD400JB ♠	40GB	UATA/100	7200	8.9	8	3 yrs	75.85	72.05
319556CJ	WD400BB ♠	40GB	UATA/100	7200	8.9	2	1 yr	68.99	65.69

3.5" SATA/150 Disk Drives

Part No.	Model No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
319337CJ	WD2500SD ♠	250GB	SATA/150	7200	8.9	8	3 yrs	$253.15	$240.55
319396CJ	WD2500JD ♠	250GB	SATA/150	7200	8.9	8	3 yrs	239.69	227.75
319409CJ	WD2000JD ♠	200GB	SATA/150	7200	8.9	8	3 yrs	166.59	158.65
319345CJ	WD1600SD ♠	160GB	SATA/150	7200	8.9	8	3 yrs	149.15	141.79
319417CJ	WD1600JD ♠	160GB	SATA/150	7200	8.9	8	3 yrs	135.49	128.99
319353CJ	WE1200SD ♠	120GB	SATA/150	7200	8.9	8	3 yrs	132.75	126.19
319425CJ	WD1200JD ♠	120GB	SATA/150	7200	8.9	8	3 yrs	120.55	114.99
319433CJ	WD800JD ♠	80GB	SATA/150	7200	8.9	8	3 yrs	93.45	88.79
319311CJ	WD740GD ♠	74GB	SATA/150	10,000	4.5	8	5 yrs	260.19	247.19
319329CJ	WD360GD ♠	36.7GB	SATA/150	10,000	5.2	8	5 yrs	153.25	145.65

2.5" LP EIDE/100 Disk Drives

Part No.	Model No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
319732CJ	WD400UE ♠	40GB	EIDE/100	5400	12	2	1 yr	$99.69	$94.71
319708CJ	WD400VE ♠	40GB	EIDE/100	5400	12	8	1 yr	112.25	106.65
319724CJ	WD600UE ♠	60GB	EIDE/100	5400	12	2	1 yr	133.35	126.70
319695CJ	WD600VE ♠	60GB	EIDE/100	5400	12	8	1 yr	140.49	133.49
319716CJ	WD800UE ♠	80GB	EIDE/100	5400	12	2	1 yr	190.25	180.75
319687CJ	WD800VE ♠	80GB	EIDE/100	5400	12	8	1 yr	196.25	186.41

♠ These products ship from a separate warehouse and may not ship same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Legacy 3.5" Hard Disk Drives*

Part No.	Capacity	Description	Warranty	1	10
146333CJ	2.5GB♣	EIDE/FAST ATA-2	1 year	$33.29	$29.95
151044CJ	4.3GB♣	EIDE/Ultra DMA33	1 year	49.95	45.95
124978CJ	1.27GB♣	IDE	1 year	29.95	26.95
118949CJ	850MB♣	IDE	1 year	49.95	47.45
115764CJ	425MB♣	IDE	3 mos.	45.95	43.65

* Manufacturers may vary & capacity may exceed specification ♣ Pull = Extra Savings

SALE Legacy Intel® Desktop Processors

Quantity SAVE

Part No.	Description	Speed (MHz)	Package	1	10
311204CJ	Intel Celeron® processor♣	800	FCPGA-370	$99.95	$94.95
311212CJ	Intel Celeron® processor♣	566	FCPGA-370	47.79	45.39
183118CJ	Intel Pentium® III processor	600	Slot 1	99.95	96.43
183100CJ	Intel Pentium® II processor	400	Slot 1	95.99	71.99
151651CJ	Intel Pentium® II processor	300	Slot 1	89.95	85.45
190060CJ	Intel Pentium® II w/ heat sink	233	Slot 1	89.95	79.95
150501CJ	Intel Pentium MMX® processor	233	376/PGA	69.95	62.95
140054CJ	Intel Pentium MMX® processor♣	200	376/PGA	49.95	37.45
130841CJ	Intel Pentium® processor	166	296/PGA	55.95	41.96
130833CJ	Intel Pentium® processor	133	296/PGA	39.95	35.95
118421CJ	Intel 486DX2 processor♣	66	168/PGA	19.95	16.96

♣ Pull = Extra Savings

Computer

Color Code Legend
New Sale Lower$ QtySave

1.44MB 3.5" Internal Floppy Disk Drives

SALE


115490CJ

- IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher
- Automatically determines if disk is high or low density
- Size: 4.0"W x 5.9"D x 1.0"H (actual drive size)
- Weight: 1.4 lbs.

♣ Pull = Extra Savings

Part No.	Cross Ref. No.	Mfr.	Color	1	10
115490CJ	FD235	TEAC	Beige	$19.95	$17.95
189165CJ	— ♣	Varies	Beige	10.95	9.95
249367CJ	MPF920-Z	Sony	Beige	16.95	15.99

Internal Optical Drives

SALE


189448CJ

- 5.25" half-height design
- One-year warranty
- Manufacturer varies

Includes: Audio cable

CD-ROM

Part No.	Speed	Buffer	kB/sec.	1	10
345009CJ	52x ♠	128kB	—	$25.35	$24.09
189448CJ	56x	128kB	8400	29.95	28.45

CD-RW/DVD

- 52x read/write; 32x rewrite; 16x DVD

Part No.	Speed	Buffer	kB/sec.	1	10
345017CJ	52x ♠	2MB	—	$52.15	$50.75

DVD-RW

- 48x read; 16x and 8x write; 4x rewrite

Part No.	Speed	Buffer	kB/sec.	1	10
345025CJ	48x ♠	2MB	—	$96.25	$91.45

♠ These products ship from a separate warehouse and may not ship same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

CD-ROM Audio Cables

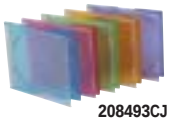

127546CJ


168612CJ

Part No.	Connection from Sound Blaster to	Length	1	10	50
127546CJ	Sony/MPC2	25"	$2.95	$2.65	$2.29
168612CJ	Universal	18"	4.95	4.45	3.99

CD Accessories


249447CJ


208493CJ


208514CJ

Part No.	Description	1	5	10
249447CJ	48x/700MB/80 min./100 pk.	$31.95	$30.50	$28.95
172179CJ	Single jewel case	.49	.41	.31
208514CJ	Paper envelope 25 pk.	2.49	2.25	1.99
208493CJ	Slim asst. color 10 pk.	3.09	2.79	2.54

Mounting Kits


180857CJ

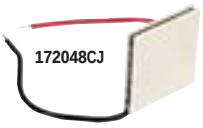
SALE


117217CJ


32088CJ

Part No.	Mfr. Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
180857CJ	HDB35	3.5" hard drive mount kit (short)	0.2	$3.89	$3.49	$3.15
117217CJ	HDMK	3.5" kit (w/ black & gray faceplates)	0.6	5.75	5.18	4.66
32088CJ	SMK	3.5" to 5.25" mounting kit (beige faceplate)	0.5	5.89	5.29	4.79

Thermoelectric Cooler Chips


172048CJ

- Cools down to -30˚C (dependent on external temp.)
- Heat or cool by changing direction of current
- 20 AWG wire leads, 4" long
- Temperature = 60˚C max.

172030CJ: 8.4VDC max.
- Couples: 71* • Watts: 19.7
- Current: 4A max.
- Size: 1.2"L x 1.2"W x 0.2"T

172048CJ: 15.4VDC max.
- Couples: 127* • Watts: 35.6
- Current: 4A max. • Size: 1.6"L x 1.6"W x 0.2"T

172056CJ: 15.4VDC max.
- Couples: 127* • Watts: 79.1
- Current: 8A max. • Size: 2.0"L x 2.0"W x 0.2"T

Part No.	Mfr. Cross Ref. No.	1	10
172030CJ	TEC30	$19.95	$17.95
172048CJ	TEC40	25.95	22.95
172056CJ	TEC50	33.75	29.35

*Couples: # of P&N type semiconductor pairs connected electrically in series

Front Panel Access Port


P/N 208004CJ
Tower not included

Enjoy easy up front access to all your most used ports, including USB, IEEE 1394, audio, and serial ports, without moving the PC.

- 2 USB; 1 IEEE 1394; Line-In; Line-Out; RS-232 (9-pin male)

Part No.	Description	1	10
208004CJ	Front panel port	$34.95	$32.45

PCMCIA Card Drive for Desktop PC


P/N 210999CJ
Tower not included

Now you can have a PCMCIA drive on your desktop PC. Supports SRAM cards, FLASH cards, LAN cards and FAX/MODEM cards.

- Jumper selectable for 4 drives
- Supports DOS 5.0 or later, Windows® 3.1 or later
- Supports Type I/II/III PCMCIA cards

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
210999CJ	PCMCIA drive ✪	$34.65	$31.47

Business Card CD-R Kit

SALE



Differentiate yourself or your business from others. This kit includes 12 50MB capacity CD-R and sleeves, 16 labels and label design software. A great way to promote your business in trade shows and exhibits. Easy to carry and cost-effective.

Part No.	Description	1	5
249308CJ	Business card CD-R kit	$4.95	$3.46

Removable IDE HDD Enclosures For 3.5" Drive Bay


196040CJ

- For quick drive swapping
- Power LEDs
- Keylock for security

196040CJ:
- Size: 5.8"W x 8.5"D x 1.5"H
- Weight: 1.2 lbs.

196031CJ:
- Size: 4.1"W x 7.5"D x 1.6"H • Weight: 0.8 lbs.

319775CJ:
- Size: 5.8"W x 8.9"D x 1.6"H • Weight: 1.32 lbs.

Includes: Inner cable with IDE connector

Part No.	Description	1	10	25
196040CJ	IDE encl. w/ insert ..	$27.95	$20.95	$14.69
319775CJ	IDE encl. w/ insert	15.55	14.79	14.05
196031CJ	Insert for 196040CJ ...	19.95	17.95	16.16

Removable IDE HDD Enclosure For 5.25" Drive Bay



- Supports DMA 66 hard drive
- Retaining lock mechanism
- 12VDC @ 50mA fan
- CFM rating: 5.6
- Size: 5.9"W x 8.7"D x 1.6"H
- Weight: 1.3 lbs.

Includes: Mounting hardware

Part No.	Description	1	10	25
170608CJ	Enclosure kit (IDE)	$25.45	$22.89	$19.95

External IDE HDD Enclosure with Parallel Interface



An external HDD enclosure for IDE hard drives with a parallel port interface to be connected to a PC or laptop. No drivers needed. Windows® 98 and above will automatically detect hard disk drive.

- Parallel port interface
- Built-in fan and 110V power supply

SALE

Includes: Parallel cable and power cord

Part No	Description	1	5
249316CJ	HDD external enclosure	$17.95	$16.16

Compact Flash Memory



Compact Flash cards are the most popular type of flash storage used in many electronic devices today. These removable, compact cards are ideal storage solutions for taking more pictures with your digital camera, listening to more music with your MP3 player, and increasing the productivity of your PDA, palmtop, or handheld PC.

For Even More Flash Devices Visit www.Jameco.com/Flash

- Read speed: up to 2MB/sec • Type 1
- Write speed: up to 1.2MB/sec

Part No.	Size	1	10	25
344962CJ	128 MB ♠	$18.99	$17.99	$17.15
344971CJ	256 MB ♠	31.69	30.15	28.59
344989CJ	512 MB ♠	53.55	50.85	48.29

♠ These products ship from a separate warehouse and may not ship same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Internal Serial ATA, ATA-133 & Floppy Drive Cables



Flat ribbon cables blocks airflow within a computer system, but with round internal cables, it will improve internal airflow in any computer system.

For additional drive cables see page 89.

Round Serial ATA cables

- Color: red
- 7-pin connector

Part No.	Description	Length	1	10	25
348710CJ	90˚	19.9"	**$4.69**	**$4.11**	**$3.91**
348744CJ	90˚	39.4"	**5.89**	**5.21**	**4.95**
348728CJ	180˚	19.9"	**4.69**	**4.11**	**3.91**
348736CJ	180˚	39.4"	**5.89**	**5.21**	**4.95**

Round ATA-133 cables

- Dual 40-pin ATA-133/IDE

Part No.	Color	Length	1	10	25
348752CJ	Blue	18"	**$4.69**	**$4.27**	**$4.05**
348761CJ	Black	18"	**4.69**	**4.27**	**4.05**
348779CJ	Blue	24"	**5.45**	**5.12**	**4.87**
348787CJ	Black	24"	**5.45**	**5.12**	**4.87**

Round Floppy Drive Cables

- 34-pin connectors

Part No.	Color	Length	1	10	25
348795CJ	Blue	18"	**$6.59**	**$6.59**	**$5.77**
348808CJ	Black	18"	**6.59**	**6.07**	**5.77**
348816CJ	Blue	24"	**7.69**	**7.21**	**6.85**

Serial ATA Power Cable Extension

- 15-pin serial ATA power connector to 4-pin power connector

Part No.	Size	1	10	25
348841CJ	6"L x 18 AWG	**$2.79**	**$2.56**	**$2.43**

IDE to Serial ATA Converter

- Converts 40-pin HDD connector to serial ATA connector

Includes: converter unit, power cables and serial ATA cable

Part No.	Description	1	10
348824CJ	IDE to serial ATA	**$28.99**	**$27.55**

USB 2.0 Cables

- Color: clear
- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 products
- For additional cable sizes and colors see page 97



USB-A (M) to USB-B (M)

Part No.	Description	1	10	25
229551CJ	6' USB-A M	**$1.65**	**$1.49**	**$1.39**
229569CJ	10' USB-A M	**1.89**	**1.75**	**1.65**
229593CJ	6' USB-A to USB-B M	**1.65**	**1.49**	**1.39**
229606CJ	10' USB-A to USB-B M	**1.89**	**1.75**	**1.65**
229622CJ	6' USB-A M to F	**1.65**	**1.49**	**1.39**
229631CJ	10' USB-A M to F	**1.89**	**1.75**	**1.65**

Mobile USB Light

Light up your laptop and work anytime, anywhere!



Whenever and wherever you need light on your keyboard, this USB-powered, flexible, plug-and-play LED lamp will deliver. Discreetly illuminate your keyboard during presentations in darkened boardrooms, or work on the plane without disturbing others.

Part No.	Description	Price
256436CJ	Mobile USB light	**$9.99**

Mobile USB Fan

This is so cool, you'll be its greatest fan!



Take advantage of a great deal on this innovative personal USB-powered fan for laptop computing! You'll enjoy the added comfort of features like a flexible gooseneck mount, soft nylon blades and quiet motor.

Part No.	Description	Price
256461CJ	Mobile USB fan	**$8.99**

Multimedia Card Reader

USB Interface

SALE



SanDisk

An easy way to upload photos, files, movies, and data from your multimedia flash memory card to your computer! Drag and drop files from the card to your computer and vice versa.

- USB-A male connector
- 1 expansion slot for multimedia card
- Compatible with PC's and MAC's

Part No.	Product No.	1	5	10
278125CJ	SDDR-1201	**$5.99**	**$5.46**	**$4.96**

USB Card Reader



This easy to use USB memory card reader is compact and yet very versatile. Supports all types of memory cards: compact flash types I and II, microdrives, both standard and reduced size multimedia cards, memory sticks, standard and mini secure digital cards, and smart media cards. USB 2.0 and 1.1 compliant, it supports transfer rates of up to 480Mbps and direct transfer between different types of memory cards.

- Supports hot-swap and wake-up
- Bus powered – no external power supply required
- LED indicators for power on and operation status of individual sockets
- Built-in USB-A cable

Lower $$$

Part No.	Product No.	1	10	25
344840CJ	SD-U2CR	**$19.95**	**$18.95**	**$16.50**

2.5" External USB Enclosure



- 2.5" external enclosure for 2.5" hard drives
- Transfer rate: 480Mbps (Ver. 2.0)
- Plug and play; hot-plug
- Compatible with Windows® 98/98SE/ME/2000/XP
- Bus powered through USB connector

Includes: USB cable with adapter and CD-ROM software drivers

Part No.	Description	1	10
354984CJ	2.5" enclosure	**$29.39**	**$27.89**

3.5" Screwless Hard Drive Enclosure



- Screwless design • USB 2.0 compliant
- IDE interface supports ATA, PIO, DMA, and UDMA hard drives
- Rugged aluminum body
- Plug and play, hot-swapping capability
- Power-on and read/write access LED indicators
- Size: 8.4"L x 4.7"W x 1.4"H

Includes: USB 2.0 cable, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Product No.	1	5
344735CJ	SD-U2PLA-35	**$31.45**	**$29.89**

5.25" Screwless HDD/CD-ROM Enclosure



- Screwless design • USB 2.0 compliant
- Ultra-light plastic body • Plug and play
- Audio jack for CD-ROM analog audio output
- Power-on and read/write LED indicators
- IDE interface supports ATA, PIO, ATAPI, DMA, and UDMA devices
- Supports Windows® 98/98SE/ME/2000/XP
- Size: 9.8"L x 6.5"W x 2.3"H

Includes: USB 2.0 cable, base, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Product No.	1	5
344751CJ	SD-U2DEL-525	**$44.89**	**$42.65**

5.25" Stackable CD/DVD/Hard Drive Enclosure



This 5.25" enclosure is designed to provide a solution in connecting existing storage devices such as 3.5" hard drives, MO drives, CDROM drives, and DVD drives to a USB 2.0 bus. An ideal interconnect for multimedia applications.

- Supports plug-n-play, hot-swap, and wake-up
- Peak data transfer rate of up to 480Mbps
- Accommodates all existing storage devices such as 3.5" IDE hard drives, MO drives, CD and DVD drives
- Compliant w/ USB specification Rev. 2.0
- ATA/ATAPI-6, LBA48, PIO Mode, DMA mode, and UDMA mode supported
- Light-weight plastic body • Weight: 2.4 lbs.
- Size: 10.1"L x 6.5"W x 2.5"H

Includes: USB-A to USB-B cable, 12VDC @ 2.0A power supply and CD-ROM drivers

Part No.	Product No.	1	5
344743CJ	SY-UEN-5MYS-S	**$44.89**	**$42.65**

USB Keyboard Adapter



- USB-A female to 6-pin mini DIN male (PS/2)

Part No.	Description	1	10	25
316831CJ	USB-A to PS/2	**$1.79**	**$1.59**	**$1.39**


344794CJ

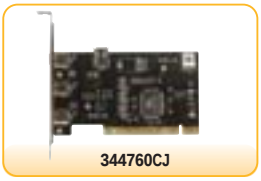

310201CJ

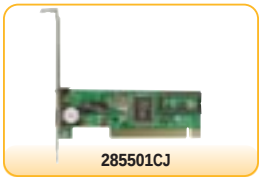

344815CJ


344778CJ

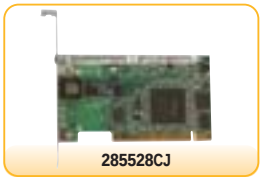
SALE


215984CJ


344760CJ


285501CJ


285510CJ


285528CJ

SALE


313710CJ

USB Interface Cards

Part No.	Manufacturer	Mfr. No.	Bus Type	Ports	Connectors	Product Description	1	10
344794CJ	SYBA	SD-PCB-USB	PCMCIA	2	USB	32-bit cardbus Type II compliant, USB 2.0 compliant, data transfer rate of 480Mbps.	$29.35	$27.89
310201CJ	—	USB/PCI5	PCI	4 ext / 1 int	USB	USB 2.0 compliant, open host controller interface USB 1.0A compliant, Windows® 98/ME/2000/XP.	14.95	14.19
344815CJ	SYBA	SD-PCB-COM	PCMCIA	4	USB/Firewire	32-bit bus Type II slot, USB 2.0 and IEEE 1394a compliant, open HCI V1.0 and 1.1 compliant.	41.59	39.52
344778CJ	SYBA	SY-VIA-5UB	PCI	4 ext / 1 int	USB	32-bit host interface, VT6212 (USB 2.0) host controller chip, USB 2.0 Rev 1.1 compliant.	13.55	12.86

Firewire Interface Cards

215984CJ	—	U02-00315	PCMCIA	2	IEEE-1394	32-bit bus, IEEE 1394 compliant, 400Mbps max., backward compatible, supports Windows® 98SE/ME/2000/XP and MAC OS 8.6 or above.	$44.29	$40.29
344760CJ	SYBA	SY-VIA-4F	PCI	3 ext / 1 int	Firewire	VT3606 controller chip, 32-bit, IEEE 1394-1995 and 1394a compliant.	21.79	20.70

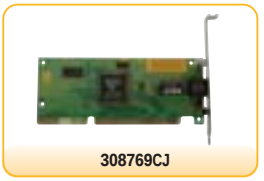
Network Interface Cards

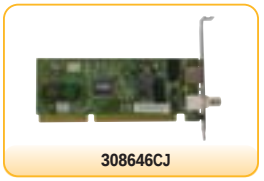
285501CJ	—	RTL8139D	PCI	1	RJ-45	IEEE 802.3 and 802.3u compliant, auto detection of 10Mbps or 100Mbps, N-way 10/100 auto negotiation.	$13.49	$12.15
285510CJ	—	905B ♣	PCI	1	RJ-45	IEEE 802.3 and 802.3u, N-way 10/100 auto negotiation.	11.99	10.79
285528CJ	—	GD82559 ♣	PCI	1	RJ-45	IEEE 802.2 and 802.3 compliant, 6kB cache on board, 10/100 auto negotiation, supports Windows® 95/98/2000/NT3.51/NT4.0.	11.99	10.79
313710CJ	Phoebe	OCTNIC-100	PCI	1	RJ-45	IEEE 802.3 auto negotiation compliant, Windows® 95/98/NT/ME/2000/XP compatible.	12.65	11.99
308769CJ	3-COM	3C509B-TPO	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	15.49	13.95
308646CJ	COMPEX	RL200A-PnP	ISA	2	RJ-45/BNC	IEEE 802.3 (10Base-T) 10Mbps, supports NETWARE, LAN manager, Windows® 95/NT/Workgroups/OS2.	18.09	16.25
355039CJ	GetOn	C130	PCMCIA		Wi-Fi	32-bit cardbus interface, IEEE 802.11b compliant, wireless data-rate (1Mbps to 11Mbps), supports Windows® 98/2000/ME/XP.	17.59	16.72

Serial Interface Cards

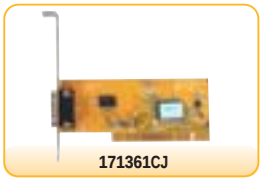
171361CJ	—	4025A	PCI	1	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, single 16C550.	$38.95	$35.95
171555CJ	—	99378	ISA	2	DB9	16-byte FIFO, 921kb/sec transfer rate, IRQ 3/5/7/9/10/11/1/15 and address jumper configurable, dual 16C550 DB9 male.	24.95	21.85
132572CJ	—	TC-400-550	ISA	4	DB9/DB25	16 or 32-byte FIFO, supports IRQ sharing, dual 16C550 DB9 male, dual 16C550, dual DB25 male.	59.95	53.95
172005CJ	—	99467	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	48.45	43.65
171547CJ	—	99468	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	116.95
171660CJ	—	99469	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	179.95	161.95
344903CJ	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.49	26.15

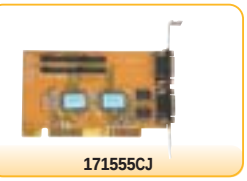
♣ Pull = Extra Savings

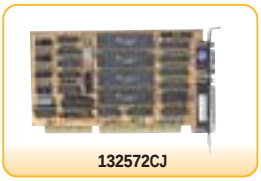

308769CJ

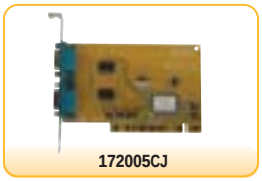

308646CJ

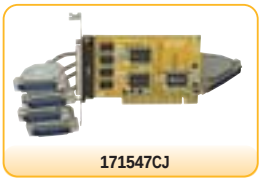

355039CJ

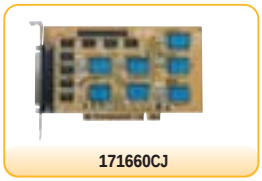

171361CJ

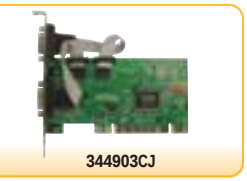

171555CJ


132572CJ


172005CJ

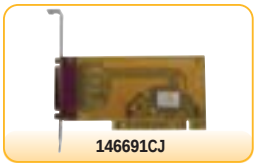

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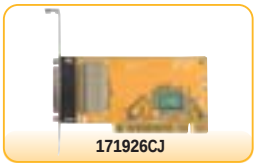

171660CJ


344903CJ

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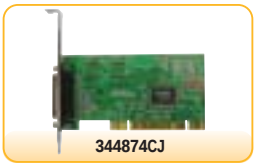

146691CJ


171926CJ



163707CJ


312039CJ


344874CJ

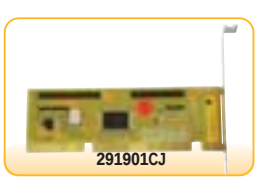


169594CJ


131318CJ



206316CJ


291901CJ



149294CJ

Parallel Interface Cards

Part No.	Manufacturer	Mfr. No.	Bus Type	Ports	Connectors	Product Description	1	10
146691CJ	—	4006A	PCI	1	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	$23.95	$21.95
171926CJ	—	4008A	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	39.95	35.95
163707CJ	—	4014A	PCI	2	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	26.55	24.15
312039CJ	Kouwell	KW-508G-2	ISA	2	DB25	Dual DB25 female. ECP/EPP/SPP mode compliant, LPT port, IRQ selectable.	24.05	22.85
344874CJ	SYBA	SD-PCI-1P	PCI	1	DB25	32-bit PCI, single DB25 female, NETMOS Nm9805CV chipset, IEEE 1284 compliant.	23.59	22.45

Serial and Parallel Interface Card

169594CJ		4078A	PCI	—	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported. Includes parallel DB25 female panel bracket assembly (single parallel / dual 16C550 serial).	$56.95	$54.09

Super I/O Controller Cards

131318CJ	—	KW-557A	ISA	—	Mult.	Supports 2 IDE and 2 floppy drives, single parallel port, dual RS-232 (16550 UART).	$29.95	$26.95
206316CJ	—	CA8390	ISA	—	Mult.	16-bit data transfer, supports 2 floppy drives (360k-1.44Mb), controls 2 AT BUS hard disk drives.	11.09	10.09
291901CJ	—	MCT-IDEFH-2	ISA	—	Mult.	16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kb to 1.44Mb, jumper selectable for enabling and disabling ports.	28.89	25.99
149294CJ	—	CI-2020	ISA	—	50-pin F	DOS/Windows® /NT/95/OS2 Netware/SCO UNIX, internal and external SCSI connectors.	33.99	29.99
191513CJ	Adaptec ✪	AHA-2940U2B	PCI	—	68-pin F Ultra SCSI2	AIC-7890AB chipset, Windows® 95/NT, Netware, OS/2 compatible, internal/external ULTRA II SCSI 68-pin connectors.	29.95	26.95

Modem Card

311706CJ	Dolphin	CX11252	PCI	—	RJ-11	300-56K data line speed, 2400-14.4K fax line speed, Group 3 w/ T.30 protocol compatible.	$8.99	$8.65

Video Graphics Cards

248840CJ	—	PS32985DR-8MB	PCI	—	HDDB15	Savage IX 8MB graphics accelerator, built-in direct draw accelerator and NTSC/PAL video encoder 4-bit resolution.	$28.99	$26.35
364111CJ	ATI	109-54100-00	PCI	—	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows 98 and NT4.0 compatible.	29.99	28.49
345181CJ	Giga-Byte ♠	GV-R7064T	AGP	—	HDDB15	64-bit memory bus with ATI Radeon 7000 graphics processor, 183MHz core clock speed, 64MB DDR SDRAM.	40.49	40.30
345201CJ	Giga-Byte ♠	GV-R925128D	AGP	—	HDDB15	128-bit memory bus with ATI Radeon 9250 graphics processor, 128MB DDR memory, supports TV-out, DVI-I port and dual display with hydravision.	65.25	61.68
345210CJ	Giga-Byte ♠	GV-R925128VH	AGP	—	HDDB15	128-bit memory bus with ATI Radeon 9250 graphics processor, 128MB DDR memory, supports video capture for video editing, TV-out, DVI port, multiview and dual display with hydravision.	76.75	74.15
345244CJ	Giga-Byte ♠	GV-N40128TE	AGP	—	HDDB15	64-bit memory bus with NVDIA GeForce MX4000 chipset, 400MHz mem clock speed, 128MB DDR memory, supports TV-out and multiview.	57.55	54.50
345252CJ	Giga-Byte ♠	GV-N5212DE	AGP	—	HDDB15	64-bit memory bus with NVDIA GEForce FX5200 chipset, 400MHz mem clock speed, 128MB DDR memory, supports TV-out, DVI port and multiview.	66.19	65.05
345261CJ	Giga-Byte ♠	GV-N5212DE	AGP	—	HDDB15	128-bit memory bus with NVDIA GEForce FX5000 chipset, 500MHz mem clock speed, 300MHz core clock speed, 128MB DDR memory, supports TV-out, DVI port and multiview.	92.89	91.05

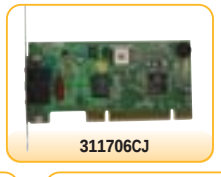
Sound Cards

249404CJ	Creative	CT4830	PCI	—	Multi	2-audio line-out (mini-stereo 3.5mm F), 1 microphone input (mini phono 3.5mm F), 1-audio line-in (mini-stereo 3.5mm F) and 1 game port (DB15F).	$29.95	$26.95

♠ These products ship from a separate warehouse and may not ship same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. ✪ Blue Part No. = Limited Quantity Available

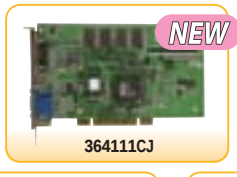


191513CJ

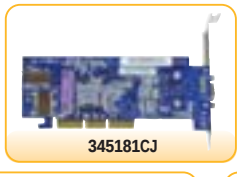

311706CJ

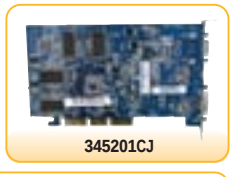


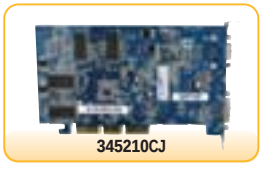
248840CJ

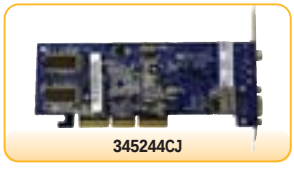


364111CJ


345181CJ


345201CJ


345210CJ


345244CJ


345252CJ


345261CJ



249404CJ

Keyboards, Keypads & Mice

Color Code Legend: New | Sale | Lower$ | QtySave


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9

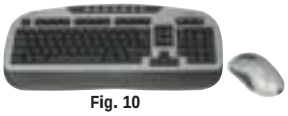

Fig. 10



Fig. 11


Fig. 12


Fig. 13


Fig. 14



Fig. 15


Fig. 16


Fig. 17


Fig. 18

Keyboards

Part No.	Mfr.	Product No.	Interface	Description	Fig.	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
319636CJ	IONE ✪	Scorpius 83	PS/2	83-key tactile compact keyboard.	1	12.8 x 6.2 x 1.0	1.8	$40.15	$38.15	$36.25
311183CJ	—	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse.	2	12.3x6.0x1.2	—	46.49	44.15	41.95
114868CJ	—	MCK-84SX	5-pin DIN	84-key tactile keyboard, Windows 95 compatible.	3	12.8x6.6x1.0	—	49.95	44.95	38.95
211756CJ	—	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, windows compatible.	4	11.4x8.5x1.2	2.3	59.95	53.95	48.95
191530CJ	COMPAQ	1PRT235BT	PS/2	101-key tactile keyboard w/ separate cursor and numeric keys, 12 function keys (recommend adapter P/N 159089CJ).	5	18.3x6.5x1.3	3.6	18.95	16.95	14.95
308793CJ	IONE	Scorpius-2K	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible.	6	15.9x6.5x1.3	—	39.95	35.95	32.49
319661CJ	IONE	Gemini-M1	PS/2	104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included.	7	17.6 x 7.5 x 1.6	2.2	28.49	26.99	25.69
173649CJ	—	SUN 3201256-1	PS/2	104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys.	8	18.2x7.0x1.5	2.7	12.95	11.65	8.55
128718CJ	IONE	Scorpius 35PU/NET	PS/2	104-key tactile keyboard w/ built-in jumbo trackball. N-key rollover. Includes software and USB adapter.	9	19.0x16.8x1.4	3.7	99.95	94.75	89.55
308101CJ	Labtech	967360-0403	PS/2	104-key RF keyboard and 3-button optical scroll mouse. Multimedia hot-keys. Includes installation guide and 4AA batteries.	10	18.0x8.7x1.6	4.5	37.25	35.49	33.69
233381CJ	—	AK7500	PS/2	104/105-key RF wireless keyboard and mouse. w/ 16 internet/media hot keys. Includes 4 AA batteries and software.	11	18 x 7.8 x 1.7	3.2	24.95	23.69	22.49
263521CJ	—	RT3604	USB	104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear.	12	18.6x7.8x3.8	3.8	16.25	15.45	14.65
268402CJ	—	Dragon K/B	PS/2	105-key Soft Touch Multimedia enhanced keyboard w/ 21 hot keys for email/ multimedia & sound, 12-function keys, separate cursor & numeric keypad.	13	17.5x6.3x1.5	1.8	12.19	10.95	9.89
319812CJ	PC Concepts	iCIA	PS/2	107-key soft-touch keyboard w/ programmable function keys for internet/ utility/office, and multimedia. Software included.	14	17.5 x 5.7 x 0.8	1.8	13.79	12.41	11.79
235563CJ	—	S20312	PS/2	Illuminated keyboard w/ 12-function keys, wake-up button, on/off switch, and separate keypad.	15	15.3 x 5.9 x 1.3	1.7	56.75	51.57	46.88
354950CJ	COMPAQ	KB-9965	PS/2	107-key soft-touch keyboard w/ 12 function keys.	16	18.5 x 6.5 x 1.4	1.3	17.99	16.19	15.37

✪ Blue Part No. = Limited Quantity Available

Keypads

265375CJ	QTRONIX	Scorpius 22RB	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function. Includes manual and drivers.	17	6.2x4.2x1.3	0.8	$39.95	$35.95	$32.49
319054CJ	—	KB22APB	PS/2	22-key PS/2 tactile keypad. Includes PS/2 to AT adapter.	18	—	—	33.69	31.99	30.39

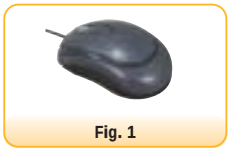

Fig. 1

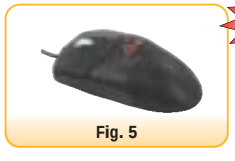


Fig. 2



Fig. 3


Fig. 4


Fig. 5

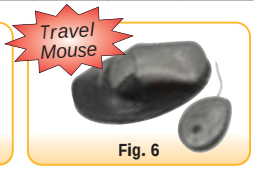


Fig. 6



Fig. 7

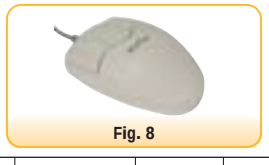

Fig. 8



Fig. 9


Fig. 10



Fig. 11

Part No.	Mfr.	Product No.	Type	Interface	Description	Fig.	Size (L" x W" x H")	1	10	25
265471CJ	—	—	Optical	USB	Mini optical mouse	1	3.7 x 2.2 x 1.3	$17.89	$16.99	$16.15
395612CJ	IONE	LYNX-L7R	Optical	USB-PS/2	Mini optical mouse w/ retractable cable and USB-PS/2 adapter	2	3.9 x 2.3 x 1.5	29.95	26.95	24.25
262625CJ	Nitgen	—	Optical	USB	EyeD USB OptiMouse w/ biometric recognition software	3	5.1 x 2.5 x 1.5	115.95	110.19	99.99
354976CJ	—	C1-8B-2061-BB	Optical	USB-PS/2	3-button with optical wheel with USB to PS/2 adapter	4	4.2 x 2.1 x 1.6	11.29	10.75	10.19
277245CJ	Soyo	Dragon Mouse	Optical	PS/2	3-button opto-mechanical	5	4.7 x 2.4 x 1.6	7.35	6.65	5.95
265447CJ	Memorex	32022378	Optical	PS/2	5-button wireless optical ScrollPro w/ PS/2 to USB adapter	6	4.9 x 3.0 x 1.6	29.95	28.45	27.29
213330CJ	Shape	88803	Mechanical ball	PS/2	2-button retractable cord travel mouse	7	4.5 x 2.4 x 1.1	7.39	6.75	6.40
288972CJ	Roltek	K3P400A	Mechanical ball	PS/2	3-button PS/2	8	4.2 x 2.5 x 1.3	4.95	4.49	4.05
283223CJ	—	—	Mechanical ball	DB9 female	3-button serial	9	4.3 x 2.6 x 1.6	6.15	5.23	3.92
305082CJ	IONE	Libra-90	Trackball	PS/2	PS/2 trackball with USB adapter	10	5.6 x 4.7 x 1.9	29.95	26.95	24.25
121363CJ	—	—	—	—	Mini mouse pad	11	7.0L x 5.5W	3.79	3.19	2.35

10" B&W Security Monitor w/ Audio



- EIA format
- 9" viewable screen
- Resolution: 700 line
- Push down front panel for volume and power switch
- BNC jacks for audio/ video input
- Input voltage: 120VAC @ 60Hz (2-prong 5' cable)
- Size: 9.3"W x 12"D x 9.1"H
- Weight: 15 lbs.

Includes: Manual

Part No.	Description	1	10
253067CJ	10" black & white monitor ..	$109.05	$89.95

5.6" Color TFT Monitor

NTSC Format



- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Brightness, color and volume adjustments
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Size: 6.1"W x 1.2"D x 4.8"H
- Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Part No.	Description	1	10
201702CJ	5.6" TFT color monitor	$279.95	$259.95

4" TFT LCD Monitor

NTSC Format



- TFT color LCD
- Resolution 234 x 383dpi
- Backlight: cold cathode fluorescent lamp
- Power source: 12VDC @ 400mA
- 5" long lead wire with 4-position Molex-type power connector
- Tint color and brightness adjustable
- Size: 4.1"L x 3.3"W x 0.7"H (display)
- Size: 4.7"L x 3.3"W x 1.3"H (unit)
- Weight: 0.7 lbs.

Part No.	Description	1	10
172742CJ	4" color LCD monitor	$159.95	$149.95

15" SVGA Color Monitor✣



- 0.28mm dot pitch
- Resolution: 1280 x 1024 @ 60Hz
- Digital panel control
- Input voltage: 100-240VAC, 50/60Hz (auto switching)
- Power, contrast, brightness, horizontal/vertical size position, recall & trapezoid front control
- HDDB15 male connector • UL/CSA/TUV appr.
- Size: 14.5"W x 16"D x 14.6"H • Weight: 70 lbs.

Includes: Power cable, tilt and swivel base

✣ Refurbished = Backed by Jameco

Part No.	Description	1	10
153306CJ	13.5" monitor viewable✣	$99.95	$89.95

14" SVGA Color Monitor✣



- 13" diagonal view
- 0.28mm dot pitch
- HDDB15 male connector
- Power, contrast, brightness, horizontal/vertical position, recall & trapezoid knobs
- Resolution: 1152 x 864 @ 60Hz
- Input volt.: 100-240VAC @ 50-60Hz
- Size: 14.2"W x 14.6"D x 13.5"H
- Dimensional weight: 40 lbs.

Includes: Power cable, tilt and swivel base

✣ Refurbished = Backed by Jameco

Part No.	Description	1	10
174537CJ	13" monitor viewable ✣	$69.99	$64.99

AverKey Pro PC-to-TV Converter Box



- Converts VGA video or Macintosh® 640 x 480 to standard NTSC
- Built-in flicker filter
- Resolution: 800 x 600
- TV brightness control
- Compatible w/ Microsoft® Windows® 3.0 and higher
- Weight: 2.2 lbs. • Two-year warranty

System requirements: VGA-based PC, DOS 3.0 or higher, 640kB RAM or larger

Includes: PC-to-TV converter, adapter, cables & manual

Part No.	Description	1	10
167193CJ	Video signal pro	$89.95	$79.95

XBOB-NC Video Text Module



XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format. The command set is nearly identical to that of our popular BOB-3 module (see below), and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable character patterns, XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link, much like a simple serial printer.

- Higher display density; 40x17 characters (680 max.)
- 254 ROM character patterns plus 63 user-definable RAM characters • Character size control
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- Faster & more reliable host communication
- Stand-alone operation, for simple source ID or fixed reticle applications
- Improved automatic video mode control

Part No.	Description	1	10
283768CJ	XBOB video text module	$189.95	$179.99
237243CJ	9VDC power supply	3.79	3.45
283776CJ	Serial cable	9.95	8.95

BOB-3 Video Text Module



283733CJ

BOB-3 is Decade's third-generation low-cost video text overlay module. BOB-3 lets your microcontroller or PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable characters, BOB-3 supports pseudo-graphics and multiple languages. BOB-3 generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control BOB-3 through a fast RS-232 style data link, much like a simple serial printer. BOB-3 is compatible with most microcontroller chips and modules, including the BASIC Stamp.

- Higher display density; 40x17 characters (680 max.)
- Faster & more reliable host communication
- Software-controlled digital outputs (6)
- Improved automatic video mode control
- Stand-alone operation, for simple source ID or fixed
- Character size control reticle applications

283733CJ (BOB-3):

- 254 ROM character patterns plus 63 user-definable RAM characters • Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)

162051CJ (BOB-2):

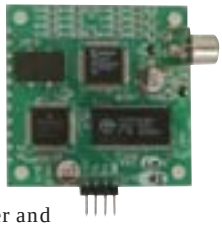
- Displays up to 308 characters (11 lines of 28)
- 12 x 18 pixel character pattern

Part No.	Description	1	10
283733CJ	BOB-3 video text module	$99.95	$94.95
162051CJ	BOB-2 video text module	69.95	62.95

We're Listening to What You Need

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ezVID Serial Video Module



The ezVID Serial Video Module gives microcontrollers the ability to generate text and graphic images on monitors, televisions, and similar-type equipment that accepts composite NTSC video signals. This is a nice lternative to applications where you don't want to use LEDs and LCDs. The ezVID provides for professional applications such as text messaging, diagnostics and status indication, but is also useful to the enthusiast user for applications in simple video games and graphics. The simple ezVID serial commands allow placement of any built-in or user defined character anywhere on the screen in any one of fourteen colors. An on-board controller and special video chip designed by Multilabs allows simple color video generation with only two asynchronous serial communication lines. The ezVID is compatible with most microcontrollers, including the BASIC Stamp.

- 9600 baud TTL level serial interface
- True bitmap display with no character cells
- 63 built-in standard characters
- Standard composite NTSC non-interlaced video output
- Easy to use SIP package only measuring 2" by 2"
- Screen resolution of 188 by 254
- 14 different colors available
- 256 user-definable characters

NEW

Part No.	Description	1	10
355856CJ	Serial video module	$59.95	$55.95

Computer

150 & 270-Watt DC-to-AC Inverters



277181CJ

SALE



202016CJ

- Input voltage: 10-15VDC
- Output voltage: 110VAC @ 60Hz
- Peak power surge capable
- Overload & thermal protection
- Battery low shutdown • Weight: 1.3 lbs.

277181CJ: Size: 4.8"L x 2.9"W x 1.8"H

202016CJ: Size: 9.3"L x 4.1"W x 2.2"H

- Auto adapter and battery clips

Part No.	Description	1	10	25
277181CJ	150W auto plug	$28.95	$27.49	$26.15
202016CJ	270W auto/battery clip ..	49.99	44.99	40.49

400-Watt DC-to-AC Inverter



Exclusive twin circuit design of dual high-output transformers provides 30% more power. MOSFET technology transistors with split design for cooler internal operating temperature. Outboard mounted replaceable dual 25AMP spade-type fuses. Dual grounded standard 110VAC receptacles. Includes: 12VDC cigarette light accessory plug, heavy-duty cable clamps, and spare 25A spade fuse.

- Input: 10-15VDC
- Max. continuous power: 400W
- Surge capacity (peak power): 800W
- 90% max. efficiency • No load draw: 0.3A
- Size: 6.4"L x 6.1"W x 2.1"H • Weight: 2.4 lbs.

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	10	25
249164CJ	VEC031P0B ✪	$57.49	$54.65	$51.89

DC-to-DC Power Converter

SALE



218819CJ

A high quality 1000mA regulated DC adapter with the ability to convert power from your cigarette lighter plug in 1.5V increments from 1.5V to 9.0V. You may choose from a full range of universal plugs (2.1mm, 2.5mm jack, 1/8" jack & 9V battery snaps) and output polarity (center + or -). Perfect for cassette players, CD players, radios, mini TV's and many other battery-run appliances.

- Two DC output cigarette lighter outlets
- Built-in 10A mini blade fuse on plug

Part No.	Description	1	10
218819CJ	DC-to-DC converter	$9.39	$8.55
218801CJ	10' extension cord	5.15	4.63

75-Watt DC-AC Inverter



- 75 watts continuous power • Single AC receptacle
- Peak surge power: 200W • Optimum efficiency: 90%
- AC output voltage: 115VAC
- AC output frequency: 60Hz
- DC input voltage range: 10 – 15VDC
- Auto reset short circuit protection
- Overload protection/low battery alarm/low battery shutdown

Part No	Description	Size	Price
307791CJ	75W inverter	4.8"L x 1.6"L x 2.4"H	$26.95

150-Watt DC-AC Inverter



- 150 watts continuous power • Single AC receptacle
- Peak surge power: 450W • Optimum efficiency: 90%
- AC output volt.: 110V ±5VAC
- AC output frequency: 60Hz
- DC input voltage range: 10 – 15VDC
- Auto reset short circuit protection • Built-in thermal cooling fan
- Overload protection/low battery alarm/low battery shutdown

Part No	Description	Size	Price
307811CJ	150W inverter	5.0"L x 1.9"W x 2.9"H	$34.95

PC Power Supplies



201435CJ

For More SATA Power Supplies Visit www.Jameco.com/SATA

150 to 400-Watt PC Power Supplies

SALE

Quantity SAVE



312872CJ



308814CJ



196189CJ



202788CJ



172822CJ

ATX Power Supplies

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Output Conn. (Mating Conn.)	Certification	Size (L" x W" x H")	Wt. (lbs.)	Pricing 1	10	25
201435CJ	Xtreme Power	EPA400*	400	+3.3/33, +5/45, +12/15, +5VSB/1, -5/1, -12/1	115/230 @ 47-63 switchable	3-prong AC receptacle with 6' power cord	ATX	UL/CSA/TUV/CE	5.6 x 5.9 x 3.4	5.0	$55.95	$50.36	$45.32
308814CJ	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	ATX	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	54.95	52.20	49.59
319994CJ	3Y Power Technology	AP-1250-1112	250	+3.3/20; +5/25; +12/12 +5VSB/3; -5/5; -12/0.5	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050CJ, pg 192)	ATX	UL/CUL/TUV/CE	7.6 x 4.0 x 2.6	2.9	39.19	37.25	35.39
152194CJ	American Media	JE2031	250	+3.3/14, +5/25, +12/10, +5VSB/1.5, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	ATX	UL/CSA/TUV	6.0 x 5.5 x 3.4	3.5	44.95	40.45	36.39
312872CJ	PC Power	STD-250 ATX*	250	+3.3/16, +5/25, +12/13, +5VSB/2, -5/0.3, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	ATX	UL/CUL/CE	6.0 x 5.6 x 3.4	3.5	17.65	16.79	15.95
152514CJ	High Power	JE8250	250	+3.3/16, +5/25, +12/10, +5VSB/1.5, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	ATX	UL/CSA/TUV	5.5 x 5.9 x 3.4	3.3	44.95	40.45	36.39
202788CJ	Enhance	SFX2015*	150	+3.3/7, +5/12, +12/5, +5VSB/0.8, -5/0.2, -12/0.3	115/240 @ 47-63 switchable	3-prong AC receptacle (P/N 38050CJ, pg 192)	ATX	UL/CUL/TUV/CE	5.9 x 3.6 x 3.4	2.1	29.95	25.46	19.09
196189CJ	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CJ, pg 192)	ATX	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	34.95	31.45	27.85

AT Power Supplies

132185CJ	APS	JE1035 ✪	300	+3.3/28, +5/30, +12/10, -5/1, -12/1	110/220 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	AT	UL/CSA/TUV	5.5 x 5.9 x 3.4	4.7	$84.99	$77.35	$70.29
233525CJ	Sparkle Power	SPI-230G	230	+5/23, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CJ, pg 192)	AT	UL/CSA/TUV	5.9 x 5.5 x 3.4	2.0	24.95	22.45	20.19
172822CJ	Mean Well	AA-230*	200	+5/20, +12/8, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	AT	CSA/TUV/CE	6.0 x 4.6 x 3.4	2.6	49.95	44.96	40.46

* See photo above ✪ Blue Part No. = Limited Quantity Available

Computer


Fig. 1

SALE

Fig. 2


Fig. 3


Fig. 4

SALE

Fig. 5

SALE

Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig.12


Fig. 13


Fig. 14

SALE

Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19

KVM Switchboxes

Part No.	Mfr.	Fig.	Product No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	10
114155CJ	—	1	40H1-14402	2-way keyboard / mouse switchbox (2PCs to 1 user)	HDDB15 female / 5-pin DIN female	6.0 x 4.0 x 2.3	1.3	$14.95	$13.49
216063CJ	—	2	KS102	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	PS/2 female for keyboard & mouse, HDDB15 female for monitor. Recommend gender changer P/N 119301CJ pg 124 when ordering P/N 204062CJ (6 ft. PS/2 cable) see below	4.3 x 3.0 x 1.2	0.6	47.99	43.65
310826CJ	—	3	KVM2717	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	PS/2 female for keyboard & mouse, HDDB15 female for monitor. Requires 9.5VDC@500mA power supply - recommend P/N 100175CJ	4.7 x 4.0 x 1.8	1.5	49.19	46.75
310842CJ	—	4	2-PRT KVN-USB	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor) 2 USB-A male; 2 3.5mm jack	User connectors: PS/2 female for keyboard & mouse, HDDB15 female for monitor to PC connectors: 2 HDDB15 male for monitor,	2.9 x 2.7 x 1.1	1.5	82.29	78.15
310834CJ	—	5	KS104	4-way KVM switchbox (4 PC's to one user)	PS/2 female for keyboard & mouse, HDDB15 female for monitor; Recommend P/N 202180CJ pg 162 for power supply	7.4 x 2.9 x 1.3	7.1	112.49	102.26
149391CJ	ATEN	6	CS-114A	4-way KVM switchbox (4 PCs to one user)	DB9 serial female / PS/2 keyboard & mouse (recommend P/N 204062CJ for PS/2 cable see below) Includes manual and power supply	10.0 x 7.0 x 3.0	7.1	179.85	162.59
132249CJ	—	7	40H1-25602	2-user switchbox (1PC to 2 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CJ (5-pin M-M cable); P/N 66173CJ (DB15HD M-M cable); P/N 132345CJ (DB9 F-F cable) pg 96	7.5 x 5.3 x 2.8	1.6	17.95	15.95
79177CJ	—	8	40H1-07402	2-way keyboard / monitor switchbox (2 users to 1 PC)	HDDB15 female / 6-pin DIN female	6.0 x 4.5 x 2.6	1.3	19.95	17.95
134017CJ	—	9	40H1-25604	4-user switchbox (1PC to 4 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CJ (5-pin M-M cable); P/N 66173CJ (DB15HD M-M cable); P/N 132345CJ (DB9 F-F cable) pg 96	7.5 x 5.3 x 2.8	2.3	21.95	19.95

Serial-to-PC Switchboxes

79126CJ	—	10	40D1-10602	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	$9.95	$8.95
183417CJ	—	11	—	4-serial port switchbox	DB9 female (4-ports to 1PC)	6.1 x 4.0 x 2.2	1.3	19.95	17.95

Network-to-Server Switchboxes

180099CJ	—	12	40R2-01604	4-server RJ-45 switchbox	4 RJ45 8P8C female (network devices to 4 servers)	8.0 x 6.1 x 2.2	2	$14.95	$13.49

Fax/Modem/Telephone-to-PC Switchboxes

79142CJ	—	13	40R1-01602	2-PC RJ-11 switchbox	RJ-11 6P6C (fax/modem/telephone to 2PCs)	6.0 x 4.8 x 2.5	1.2	$9.95	$8.95

Parallel Printer-to-PC Switchboxes

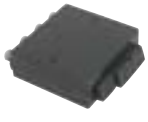
20095CJ	—	14	40D3-17602	2-port switchbox	DB25 female (2PCs to 1 printer)	6.0 x 5.8 x 2.3	1.4	$8.95	$7.95
155512CJ	—	15	CURTIS DS3	2-port switchbox	DB25 female (2PCs to 1 printer) includes 25' DB25 M-M cable	7.2 x 4.9 x 2.5	2.3	3.79	3.44
20124CJ	—	16	40D3-17604	4-port switchbox	DB25 female (4PCs to 1 printer)	6.0 x 4.0 x 2.4	1.5	14.95	13.49
177412CJ	ATEN	17	AS-451P	4-port auto switchbox	DB25 female (4PCs to 1 printer)	—	0.5	6.49	5.85
289211CJ	—	18	25F6	6-port switchbox	DB25 female (6PCs to 1 printer)	7.6 x 6.0 x 2.5	2.2	23.15	20.85

USB-to-PC Switchboxes

310818CJ	—	19	USB-2PORT	2-way USB switchbox	1 USB-B female; 2 USB-A female	5.1 x 3.7 x 1.8	2.5	$26.19	$24.89

Coaxial Switch Box SALE

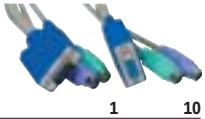
- 3-way switch box, switches from a single input source to 3 outputs
- 60dB isolation – shielded housing
- 75Ω input-output
- 5-900MHz UHF/VHF/FM



Part No.	Description	1	10	25
228241CJ	Coaxial switch box	$4.89	$4.43	$4.02

PS/2 Cable

- Use with P/Ns 149391CJ & 216063CJ above



Part No.	Description	1	10
204062CJ	6' PS/2 cable	$16.95	$15.29

ATX Vertical Full Tower Case SALE

- Slide-off side panel access
- LED indicators for power and HDD acitivity
- Front panel reset switch and power switch
- Internal 8Ω speaker
- 5 exposed 5.25" bays, 3 exposed 3.5" bays, 2 internal 3.5" bays
- Size: 7.5"W x 16.8"D x 24.5"H
- Weight: 25 lbs.



Part No.	Description	1	10
292066CJ	ATX full tower	$33.39	$30.34

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!

1-800-831-4242

Color Code Legend: New Sale Lower$ QtySave

Color Code Legend: New | Sale | Lower$ | QtySave

Short Haul Modem



- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)

Part No.	Description	1	10	25
116581CJ	Short haul modem	$29.95	$26.95	$23.95

External 56kbps Fax/Modem with Digital Answering Machine



- Digital telephone answering machine with voice mail system
- RS-232 (DB9 female) interface
- Modem speed: 300-56000bps
- Error correction: ITU-T V.42, MNP2-4
- Data compression: ITU-T 1.42bis, MNP5
- Flow control: RTS/CTS, Xon/Xoff
- Fax/modem line speed: 2400~14400bps
- Standard compatibilty: ITU-T V.17, V.27 ter, V.29
- Command set: Class 1, 1.0, 2 and associated AT command sets • Size: 6.3"L x 4.0"W x 1.3"H

System requirements: Pentium® or PC compatible with 16MB of memory, available RS-232 slot; Windows® 9x/ME/NT4.0/2000/XP

Includes: RS-232 cable (DB25/DB9 female to DB9 male); phone cord, 9VAC@1A power supply, CD-ROM drivers and manual

Part No.	Description	1	10
216493CJ	Serial modem (Rockwell)	$39.35	$35.79

USB Fast Ethernet Adapter



- Plug and Play
- IEEE802.3 (10 BaseT) and IEEE802.3 (100 BaseT) specification compatible
- USB Rev 1.0 and 1.1 compatible
- Supports OHCI and UHCI • Self-powered
- 1 upstream USB port and RJ-45 port
- Supports Windows® 98/ME/2000/XP

Part No.	Description	1	5	10
310797CJ	USB-Ethernet Adapter	$21.69	$19.55	$17.55

USB Modem Adapter

NEW

This UC-232 USB serial modem adapter provides an external plug and play RS232 modem connection for PCs, notebooks, laptops, and handheld computing devices that support the USB specification.



- Data transfer rate: determined by modem
- Power consumption: 90mA
- Power mode: bus powered
- Size: 3.2"L x 2.2"W x 0.9"H

Includes: DB-25 male connector and USB type A cable

Part No.	Description	1	10
355696CJ	USB modem adapter	$15.45	$13.95

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.
1-800-831-4242

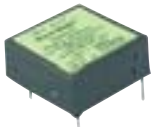
Single-Line Telephone Filter



In-line Z-BLOCKER® filter blocks interference between DSL / HPN, voice and RF from cordless phones. Plugs directly into any standard phone jack and works with any single line phone, fax or dial-up modem.

Part No.	Description	1	10	25
196429CJ	Telephone filter	$7.95	$7.15	$6.25

Black Magic Telephone Ringing Generator



Switching inverter that produces low-frequency alternating current to signal telecom ringers or equivalents.

- Series resistor: 300Ω
- Nominal output voltage: 86Vrms
- No reverse polarity protection • Frequency: 20Hz

Part No.	Product No.	1	10	25
145816CJ	LBMR12	$26.95	$24.49	$21.95

Bidirectional Non-Buffered Serial-to-Parallel Converter



- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male • Baud rate: 300 to 38,400bps
- Stop bits: 1 or 2 • Size: 4.0"L x 2.5"W x 1.0"H
- Weight: 0.8 lbs. • One-year warranty

Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935CJ	Bi-converter	$49.95	$44.95	$39.95

Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer



- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps – 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status
- DCE/DTE selectable • Stop bits: 1 or 2
- Size: 3.8"L x 2.4"W x 1.0"H • Weight: 0.8 lbs.
- One-year warranty

Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983CJ	Serial/parallel converter	$48.49	$44.95

UTP Ethernet Cable Tester



- Connector type: RJ45 8P8C
- System used: 258A, 356A, AT&T/Ethernet 10BaseT
- Miswire, open, short tests

Requires: 9V battery (recommend P/N 151095CJ, pg 194)

Includes: Zipper case

Part No.	Size	1	10
115895CJ	4.5"L x 2.5"W x 1.3"H	$29.95	$26.95

Modular Cable Tester



Easily read correct pin configuration of 10baseT, 10base2, RJ45/RJ11 modular cables, 258A, TIA568A / 568B, token ring, etc.

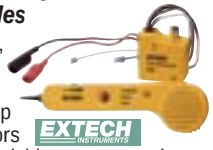
- Check for cable continuity, miswiring, open, short, grounding, and pin configurations • One-year warranty
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

Part No.	Description	1	10
145710CJ	Modular cable tester	$84.95	$76.49

Tone Generator & Amplifier Probe

For Tracing Wires & Cables



- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets

Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description	1	10
198002CJ	Tone gen. & amp. probe	$79.95	$71.95

Net Toner and Probe Kit

SALE



With testing functions such as sending tones, verifying lines, indicating line conditions, identifying tip and ring, providing "talk" battery and testing continuity, you can use this kit on single conductor, twisted pairs, coaxial cables, and non-energized electrical wiring. Connections include alligator clips, RJ45 jacks and RJ12 plugs.

Includes: Padded zipper case w/ belt loop & spare tips

Part No.	Description	1	5
227897CJ	Net toner & probe kit	$69.85	$63.50

RS-232 to RS-485/422 Bidirectional Converters



- Cable length: 4000' max. • Data rate: 1MB/second
- 4-wire full duplex or 2-wire half duplex
- Point-to-point and multidrop operations
- RS-485: terminal block and RJ11 connections
- Input: 110VAC; except P/N 129218CJ 220VAC input
- One-year warranty

197931CJ: port powered (power adapter not included)

- Data rate: 100kbps

122956CJ: features RS-485SI; optical isolation: 2000V

129218CJ: features 220VAC input

Includes: 9VDC @ 300mA power adapter

- Controlled by RTS signal
- DCE and DTE selectable
- RS-232: DB25 female connector
- Weight: 0.9 lbs.

117701CJ

Now a European Version!

Part No.	Description	1	10
117701CJ	RS-232-485/422	$57.95	$51.95
197931CJ	RS-232-485/422	69.95	62.99
122956CJ	RS-232-485/422 OPT ISO	119.99	107.99
129218CJ	RS-232-485/422 (220 VAC)	42.95	36.95

External 3-Port USB Thumbhub

Expand your single USB port to a stacked 3-port thumbhub.





- USB Revision 1.1 compliant
- LED indicators uplink/down port communication, and OCP status
- Supports full speed (12Mbps) and low speed (1.5Mbps) transfer rate
- Self-powered mode
- Compatible with Windows® 98/98SE/2000/ME/MAC OS8.5
- Size: 3.1"L x 0.8"W x 1.2"H

SALE

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
208451CJ	3-port thumbhub ✪	$11.99	$10.92

2-Port Mini USB Hub



- USB 1.1 compliant
- Bus powered mode indicated by power LED
- Downstream port supports full and low speed operations
- Plug & Play

System requirements: IBM compatible Pentium® 233MHz or faster and MAC PC, 64MB of RAM, available USB port, compatible with Windows® 98SE/ME/2000/XP/Mac OS 8.6 or higher

Part No.	Description	1	10
291856CJ	2-port mini hub	$23.25	$20.95

External 7-Port USB Hub



- 7 USB-A female output ports
- USB-B female root port
- Plug & Play compatible
- Allows you to attach 128 USB devices to your PC
- LED indicators for port, status, and power
- Size: 7.9"L x 2.8"W x 1.1"H • Weight: 2.6 lbs.

Includes: 6VDC power adapter and USB-A male to USB-B female cable

Part No.	Description	1	10
191450CJ	7-Port USB hub	$34.19	$25.45

External USB-A IrDA Transceiver

Convert your USB port into an infrared communications port.



- Adjustable base for height and angle • Plug & Play
- Supports standard USB port
- Meets IrDA v1.0 and v1.1
- Supports data transfer rate from 115.2k up to 4Mbit per second
- Transmission distance of 3.3' or 39.4"
- Size: (including base) 2.4"L x 1.6"W x 0.9"H

SALE

System requirements: Windows® 98/ME/2000/XP

Includes: Manual, extension cable and 3.5" drivers

Part No.	Description	1	10
213903CJ	USB-A to IrDA transceiver	$30.69	$27.92

USB Thumb Drives



217795CJ

Thumb drives are compact and fit easily in your pocket or hang around your neck. Portable and lightweight, no external power needed. No drivers necessary for Windows® ME and above.

- 10 year data retention • Size: 2.9"L x 0.7"W x 0.4"H
- Windows® 98/98SE drivers are available at www.Jameco.com

SALE

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
217761CJ	32MB ✪	$20.29	$18.45
217779CJ	64MB ✪	37.09	33.71
217787CJ	128MB	49.95	44.96
217795CJ	512MB	99.99	89.99

SmartBeam™ Infrared Adapter



Provides the simplest and fastest way to interface your PC or laptop with palmtops, organizers, and even printers. Using industry standard IrDA 1.0 technology, it can communicate with other devices that are IrDA up to 115.2kbps. Connect this device to a serial port and share files, printers, and even send email.

Includes: Software & DB9 M-to-DB25 F serial adapter

Part No.	Description	1	10
291821CJ	Infrared adapter	$25.89	$23.29

USB Complete

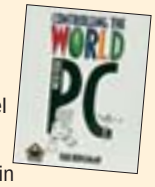


Lakeview (2nd Edition) Provides an easy-to-use interface for computer peripherals. The book covers topics such as what USB can do, transfer types, chip choices, what's inside a USB controller, writing firmware, how the host communicates and more. (523 pages, 1999)

- Size: 7.0" x 9.0"
- Weight: 1.9 lbs.

Part No.	Description	Price
171900CJ	Complete USB Book	$49.95

Controlling the World with Your PC



Hightext Publishing Make your PC control stepping motors, monitor fluid levels, or switch appliances on and off! Each of the circuits in this book connects directly to the parallel printer port of your PC and comes complete with a circuit diagram and listings for control software written in Pascal, C and BASIC. (257 pages, 1994)

Includes: 3.5" disk

Part No.	Description	Price
116943CJ	Controlling the World with Your PC	$39.89

AmbiCom Wireless Printer Kit





For a list of compatible printers, visit www.Jameco.com and check data sheet.

Print up to 100 Feet Away, Wirelessly!

The wireless revolution makes your current printer conveniently cable-free! Works with USB connected Canon, Epson, HP and Lexmark printers.

- USB-B type adapter for printer and USB-A type adapter for PC
- Windows® 98SE/ME/2000/XP and Mac OS X compatible • Plug & Play
- Receiver sensitivity: -84dBm • 128-bit encryption

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Data Throughput	Frequency Range	Price
235133CJ	Wireless printer kit ✪	340kbps	2.4GHz – 2.4835GHz	$61.29

IBM® 8-Port Ethernet Hub

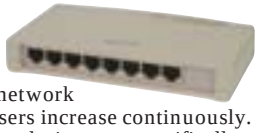


Although designed to the exacting standards of IBM for use in large corporate networks, its price and easy setup make it perfect for small office or home office use. Compatible with all standard STP, UTP, and FTP cables. Can be cascaded to support larger networks via the MDI (uplink) port.

- Size: 8.7"W x 5.3"D x 1.1"H • Weight: 1.7 lbs.

Part No.	Description	1	10
226149CJ	8-port hub	$44.95	$39.95

8-Port Ethernet Hub



Designed for easy installation and high performance in environments where traffic on the network and the number of users increase continuously. It's small and compact design was specifically designed for small to middle size workgroups and where space is limited. Ideal for deployment with multiple high-speed servers for shared-bandwidth 10Mbps or 100Mbps workgroups.

- LED indicators for link active and 100Mbps
- Size: 6.4"L x 3.4"W x 1.0"H
- Weight: 1.2 lbs.

Includes: 5VDC@2.5mA power supply

Part No.	Description	1	5
320506CJ	8-port ethernet hub	$35.45	$33.65

NETGEAR® 4-Port Firewall Router

11Mbps Cable/DSL



SALE

This true firewall is broadband capable, and provides you with the utmost in business class security – Denial of Service (DoS) protection and Intrusion Detection using Stateful Packet Inspection (SPI), URL access and content filtering, logging, reporting, and real-time alerts. Up to 253 users can access your broadband connection at the same time.

- Size: 7.4"W x 4.9"D x 1.3"H • Weight: 1.8 lbs.

Includes: 10' CAT5 cable, power adapter, user guide & CD-ROM software

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Price
233331CJ	11Mbps cable/DSL firewall router ✪	$60.35

AUI/10BaseT Transceiver



Provides connectivity with work stations equipped with AUI ports to 10BaseT ethernet local area network. Switch selectable SQE (signal quality error)/ "Heartbeat Test" to detect collision.

SALE

- IEEE 802.3 10BaseT compliancy
- 4 LED indicators for receive, transmission, collision and link
- AUI 15-pin RJ45 connector
- Size: 2.3"L x 1.7"W x 0.8"H • Weight: 0.2 lbs.

Part No.	Description	1	10
215917CJ	Ethernet transceiver	$20.39	$18.55

Computer

Color Code Legend: New Sale Lower$ QtySave

Wall Mount Patch Panel Brackets*



When minimal space is required, APW's heavy-duty 14 gauge steel wall mount patch panel brackets are a great alternative to full size racks. Designed for 19" EIA equipment, the brackets' hinged design allows convenient wall mounting of patch panels and small equipment while saving valuable floor space. Select from a variety of sizes to best suit your needs.

- Available in 4 heights (1U, 2U, 3U, 4U), 1 width (19.0"), and 4 depths (4", 6", 8", and 12")
- Universal inserts provide the option to use either 10-32 or 12-24 mounting screws

Part No.	Product No.	External Height	Ext./Overall Depth	1	5
350232CJ	WPB190106M	1.75", 1U	6.0"	**$17.75**	**$16.89**
350235CJ	WPB190304M	3.50", 2U	4.0"	**22.49**	**21.39**
350238CJ	WPB190306M	3.50", 2U	6.0"	**22.99**	**21.85**
350241CJ	WPB190308M	3.50", 2U	8.0"	**23.15**	**21.99**
350244CJ	WPB190312M	3.50", 2U	12.0"	**24.89**	**23.65**
350247CJ	WPB190504M	5.25", 3U	4.0"	**24.69**	**23.45**
350250CJ	WPB190506M	5.25", 3U	6.0"	**25.65**	**24.35**
350253CJ	WPB190508M	5.25", 3U	8.0"	**25.89**	**24.59**
350256CJ	WPB190512M	5.25", 3U	12.0"	**27.79**	**26.39**
350259CJ	WPB190704M	7.00", 4U	4.0"	**27.09**	**25.75**
350262CJ	WPB190706M	7.00", 4U	6.0"	**28.05**	**26.65**
350265CJ	WPB190708M	7.00", 4U	8.0"	**28.25**	**26.85**
350268CJ	WPB190712M	7.00", 4U	12.0"	**30.49**	**28.99**

Modular Networking Frames*



APW's modular networking frames offer an economical solution to your rack-mount storage needs at a fraction of the cost of a fully enclosed cabinet. Designed with APW's renowned quality and stability, these racks are ideal for mounting electric test equipment, patch panels, Datacom and telecom equipment, and other cabling and rack-mount peripherals.

- Heavy-duty aluminum extruded upright channels, and top & base angles are packaged in an easily assembled unit
- 12-24 tapped 19" EIA mounting holes
- Overall width: 20.18"
- UL listed
- Offered in 47" and 84" heights only

350190CJ: 24U • Overall height: 47.25"
350193CJ: 45U • Overall height: 84"

Part No.	Product No.	Vertical Opening	Rack Units	1	5
350190CJ	MNFT1942DM	42.00"	24U	**$127.75**	**$121.35**
350193CJ	MNFT1978DM	78.75"	45U	**159.25**	**151.25**

*To minimize shipping costs, all APW products ship direct from the manufacturer. Additionally, Jameco can offer the special shipping rate of 10% of total APW product sales for all APW products.

Pioneer Quicksilver Rack Mount Enclosure Kits*



Initial Unit



Add-on Unit

Just plug it in and load it up! It's that easy with the Pioneer Quicksilver, the industry's first enclosure clustering solution. Quicksilver provides easy installation and reconfiguration of multiple 19" rack mount equipment as well as hubs, concentrators, switches, and other hardware, all within one enclosure. Available in 3 heights – 25U, 40U, and 45U. Use one simple easy-to-order item number to order your fully pre-configured enclosure system. All kits include base with leveler feet, top panel with exhaust fans and cable access (Lexan front door and vented rear door with handles and key locks), 2 pairs of 10-32 tapped 19" cable management mounting rails (front rails include cable management rings), over head interior light, six outlet power strip, one fixed shelf, document storage pocket, and mounting hardware.

- Load capacity up to 1,500 lbs. or 2,000 lbs. when ganged together
- Easy access from the front, rear, and sides
- Fully welded steel construction
- Compatible with all standard APW Pioneer options and accessories

Initial Unit

Part Number	Product Number	Vertical Panel Opening	Overall Height	Rack Units	Overall Depth	Side Panels	1	5
350049CJ	PDC1904330KITM	43.75"	52.50"	25U	34.65"	Vented	**$1,876.19**	**$1,782.39**
350052CJ	PDC1907030KITM	70.00"	78.75"	40U	34.65"	Vented	**1,975.05**	**1,876.29**
350055CJ	PDC1907830KITM	78.75"	87.50"	45U	34.65"	Vented	**2,064.29**	**1,961.09**

Add-On Unit

Part Number	Product Number	Vertical Panel Opening	Overall Height	Rack Units	Overall Depth	Side Panels	1	5
350058CJ	PDC1904330KITNSM	43.75"	52.50"	25U	34.65"	None	**$1,568.45**	**$1,490.05**
350061CJ	PDC1907030KITNSM	70.00"	78.75"	40U	34.65"	None	**1,639.65**	**1,557.65**
350064CJ	PDC1907830KITNSM	78.75"	87.50"	45U	34/65"	None	**1,695.69**	**1,610.89**

Pioneer Pre-Configured Rack Mount Enclosures*



Monitor Not Included

APW's series of Pioneer Datacom Kits enables you to order pre-configured enclosures with one easy-to-order item number. Available in four different kit combinations to best suit your needs, each series offers an initial unit and a corresponding add-on unit for multi-bay configurations. Pioneer Datacom kits provide 42U of vertical 19" rackmount space and come in depths of 36" and 42". The kits include a base with leveler feet, top panels that include cable access, doors with handles and key locks, clip nuts, cage nuts, and mounting screws.

- Four different kits to meet your requirements – all with two pairs of 0.375" square hole adjustable mounting rails
- 24" wide footprint
- Fully welded steel construction
- Load capacity of up to 1,500 lbs. or 2,000 lbs. when ganged together
- Multi-vendor server compatibility
- Easy access to equipment from front, rear, and sides
- Compatible with all standard APW Pioneer options and accessories

Initial Unit kits

Part No.	Product No.	Frame Size (D")	Top Panel	Front Door	Rear Door	Side Panels	1	5
350001CJ	PK124MS7436	36	Perforated	Lexan	Perforated	Solid	**$1,515.25**	**$1,439.49**
350004CJ	PK124MS7442	42	Perforated	Lexan	Perforated	Solid	**1,895.25**	**1,799.99**
350007CJ	PK224MS7436	36	Fan	Lexan	Perforated	Solid	**1,799.99**	**1,710.25**
350010CJ	PK224MS7442	42	Fan	Lexan	Perforated	Solid	**2,202.09**	**2,091.99**
350013CJ	PK324MS7436	36	Perforated	Perforated	Perforated	Solid	**1,657.89**	**1,574.99**
350016CJ	PK242MS7442	42	Perforated	Perforated	Perforated	Solid	**1,715.69**	**1,629.89**
350019CJ	PK424MS7436	36	Perforated	Perforated	Perforated	Perforated	**1,693.99**	**1,609.29**
350022CJ	PK424MS7442	42	Perforated	Perforated	Perforated	Perforated	**1,736.39**	**1,649.59**

Add-On Units (no side panels)

Part No.	Product No.	Frame Size (D")	Top Panel	Front Door	Rear Door	Side Panels	1	5
350025CJ	PA124MS7436	36	Perforated	Lexan	Perforated	None	**$1,189.99**	**$1,149.59**
350028CJ	PA124MS7442	42	Perforated	Lexan	Perforated	None	**1,526.15**	**1,449.85**
350031CJ	PA224MS7436	36	Fan	Lexan	Perforated	None	**1,794.15**	**1,704.45**
350034CJ	PA224MS7442	42	Fan	Lexan	Perforated	None	**1,832.09**	**1,740.49**
350037CJ	PA324MS7436	36	Perforated	Perforated	Perforated	None	**1,308.65**	**1,243.19**
350040CJ	PA324MS7442	42	Perforated	Perforated	Perforated	None	**1,346.15**	**1,278.85**
350043CJ	PA424MS7436	36	Perforated	Perforated	Perforated	None	**1,308.65**	**1,243.19**
350046CJ	PA424MS7442	42	Perforated	Perforated	Perforated	None	**1,346.15**	**1,278.85**

Mini-Max Wall Mount Enclosures*

APW's Mini-Max Wall Mount Enclosures are the perfect storage solution for today's demanding, space-constrained applications. Convenient and flexible, these 19" EIA rack-mount enclosures allow you to manage and secure critical network wiring, hubs, concentrators, routers, patch panels, and audio/video equipment in a minimum amount of space. Offered in a variety of sizes with door and ventilation options, Mini-Max delivers the perfect combination of form and functionality for virtually any application.



- Available in 3 heights (12U, 20U, and 26U), 1 width (21.50", 19" rack-mount) and 2 depths (14" and 20")
- Dual-tapped and field-reversible 10-32 and 12-24 mounting rails (1 pair per cabinet)
- Vented

Part Number	Product Number	Door Type	Vertical Panel Opening	Overall Height	Usable Depth	Overall Depth	1	5
350196CJ	WCF192114PLM	Plexiglas	21.00"	23.13"	14.00"	20.16"	$457.59	$434.75
350199CJ	WCF192114SLM	Solid metal	21.00"	23.13"	14.00"	20.16"	408.59	388.15
350202CJ	WCF192120PLM	Plexiglas	21.00"	23.13"	20.00"	26.16"	503.35	478.19
350205CJ	WCF193520PLM	Plexiglas	35.00"	37.13"	20.00"	26.16"	624.49	593.25
350208CJ	WCF194520PLM	Plexiglas	45.50"	48.13"	20.00"	26.16"	745.95	708.65

Swing Out™ Wall Mount Rack for Mini-Max Wall Mount Enclosures*

Convenient and flexible Swing Out™ racks come with a variety of standard features, including integrated strain relief and cable management; quick release hinges that allow the rack to swing open from either left or right; and exclusive 3" deep rack style rails tapped 12-24 on the front and rear for 19" EIA rack-mount equipment.

- Overall height: 18.0"
- External width: 20.75"
- Color: black

Part No.	Product No.	Vertical Panel Opening	Rack Units	External Height	1	5
350223CJ	SO2118M	21.00"	12U	23.92"	$136.05	$129.25
350226CJ	SO3518M	35.00"	20U	37.92"	145.69	138.39
350229CJ	SO4318M	43.75"	25U	46.67"	153.15	145.49

Cabinet Mounting Plate for 19" Cabinet



- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H
- Color: beige

Part No.	Description	1	10
149500CJ	Cabinet mount plate	$39.95	$35.95

19" Rack Mount Drawer with Keyboard and Trackball



- Occupies a single unit (IU) rack space
- PS/2 connector for keyboard and trackball
- Color: gray
- Weight: 18 lbs.
- Size: 19"W x 13"D x 2.8"H

Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644CJ	Rack mount KB drawer	$249.99	$234.99

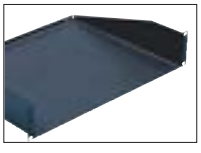
Universal Wall Mounting Rail Kits for Mini-Max Wall Mount Enclosures*

- Comes in pairs
- Color: black

Part No.	Product No.	VPS	Rack Units	1	5
350214CJ	WCRK21M	21.00"	12U	$33.49	$31.79
350217CJ	WCRK35M	35.00"	20U	41.19	39.15
350220CJ	WCRK45M	45.50"	26U	49.85	47.35

Cantilevered Shelves*

Front mount only



- 19" rack mountable
- 50 lb. capacity
- PS: 3.50"
- 2U rack unit
- Color: black

Part No.	Product No.	Type	Depth	1	5
350079CJ	CS1912S	Solid	12.50"	$38.95	$36.99
350082CJ	CS1914S	Solid	14.50"	44.65	42.39
350085CJ	CS1919S	Solid	19.00"	52.25	49.65
350088CJ	CS1912V	Vented	12.50"	49.39	46.95
350091CJ	CS1914V	Vented	14.40"	56.05	53.25
350094CJ	CS1919V	Vented	19.00"	59.85	56.59

19" Rack Mount Enclosures

Perfect for equipment setup in home, studio or laboratory.



- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- Front panel: 0.12" thick
- Black front panel
- Top, bottom, sides durable 0.035" steel
- All enclosures have handles except P/N 132812CJ

Includes: Mounting screws

Part No.	Dimensions (In.) H1	H2	D	Weight (lbs.)	Pricing 1	10
132812CJ	1.73	1.25	9.75	6.2	$39.95	$35.99
132821CJ	3.46	3.0	9.75	7.9	47.95	43.49
132839CJ	3.46	2.88	11.75	9.1	53.95	48.59
132847CJ	5.22	4.75	11.75	10.6	63.95	55.99
132855CJ	5.22	4.75	13.50	11.8	73.95	66.95
132863CJ	8.56	8.0	13.50	15.4	94.95	84.95

19" Rack Mount CAT 5 Patch Panels

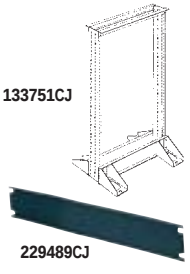
SALE


208784CJ

Our CAT 5 patch panels feature 110D punch blocks that are compatible with KRONE or 110D tool. UL and CUL listed and certified, CAT 5 certified and can be used with T568 A/B installations. Blocks are color coded for T568 color-coding, and easy wire management.

Part No.	Description	1	10
208768CJ	12-port patch panel	$28.99	$27.55
208784CJ	24-port patch panel	42.75	39.95

Relay Rack & Rack Panels



Rack:
- Black powder coat finish
- 10-32 threaded holes
- Used with 19" wide panels
- 16 gauge CRS base
- 1/8" aluminum side rails
- Size (at base): 19.8"W x 15.3"D x 84"H
- Dimensional weight: 70 lbs.

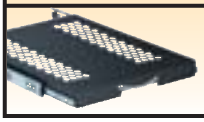
19" Wide Panel:
- 10-gauge black aluminum

Rack screw:
- 10/32 screw; 5/8" phillips head (50 ea.)

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Height	1	10
133751CJ	Relay rack ✪	84"	$159.95	$144.95
229489CJ	Rack panel (2U)	3.50"	10.95	10.35
229500CJ	Rack panel (4U)	7.00"	14.55	13.55
229446CJ	Rack screw (50 ea.)	—	8.25	7.45

*To minimize shipping costs, all APW products ship direct from the manufacturer. Additionally, Jameco offers a special shipping rate for all APW products that's equal to 10% of the total APW product sales price.



For Additional Rack Mount Accessories see page 216.



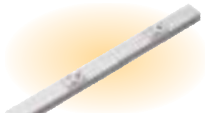
Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!



Color Code Legend: New Sale Lower$ QtySave

Standard Vertical Mount Power Strips*



- Voltage rating: 125V
- Cord length: 15 feet

Part No.	Product No.	Amps	No. of Receptacles	Plug Type	Dimensions (L"xD"xW")	Breaker	1	5
350133CJ	EPS4015	15	6	5-15P Standard	40 x 0.8 x 1.3	No	$110.19	$104.69
350136CJ	EPS6015	15	10	5-15P Standard	60 x 0.8 x 1.3	No	114.95	109.29
350139CJ	EPS6015T	15	10	L5-15P Twistlock	60 x 1.2 x 2.0	No	128.25	121.85
350142CJ	EPS6020	20	12	5-20P	60 x 1.2 x 2.0	No	129.19	122.75
350145CJ	EPS6020T	20	12	L5-20P Twistlock	60 x 1.2 x 2.0	No	140.59	133.59
350148CJ	EPS4015I	15	6	5-15P Standard	40 x 0.8 x 1.3	No	112.09	106.49
350151CJ	EPS6015I	15	10	5-15P Standard	60 x 0.8 x 1.3	No	116.85	110.99
350154CJ	EPS6615	15	20	5-15P Standard	66 x 1.25 x 1.75	Yes	142.49	135.39
350157CJ	EPS6615T	15	20	L5-15P Twistlock	66 x 1.25 x 1.75	Yes	151.99	144.39
350160CJ	EPS6620	20	20	5-20P Standard	66 x 1.25 x 1.75	Yes	189.99	180.49
350163CJ	EPS6620T	20	20	L5-20P Twistlock	66 x 1.25 x 1.75	Yes	199.49	189.55

Standard 19" Rackmount Power Strips*



- Voltage rating: 125V
- Cord length: 15 feet

Part No.	Product No.	Amps	No. of Receptacles	Plug Type	Dimensions (L"xD"xW")	Breaker	1	5
350166CJ	EPS1620	20	6	5-20P Standard	1.75 x 5 x 19	No	$109.25	$103.79
350169CJ	EPS1620T	20	6	L5-20P Twistlock	1.75 x 5 x 19	No	123.49	117.35
350172CJ	EPS20RM	20	6	5-20P Standard	1.75 x 5 x 19	Yes	113.99	108.29
350175CJ	EPS20RMS	20	6	5-20P Standard	1.75 x 5 x 19	Yes	156.75	148.89
350178CJ	EPS20RMT	20	6	L5-20P Twistlock	1.75 x 5 x 19	Yes	128.25	121.85
350181CJ	EPS15RXS	15	10	5-20P Standard	1.75 x 5 x 19	Yes	150.09	142.59
350184CJ	EPS15RMS	15	6	5-20P Standard	1.75 x 5 x 19	Yes	108.29	102.89
350187CJ	EPS15RDS	15	8	5-20P Standard	1.75 x 5 x 19	Yes	163.39	155.25

Full Depth Sliding and Fixed Shelves*



4-point mounting

- 19" rack mountable
- Black

Fixed Shelves

Part No.	Product No.	Description	Type	Depth	1	5
350097CJ	ES1919	Medium duty, 100 lbs. capacity	Vented	19.25"	$48.45	$45.99
350100CJ	ES1924	Medium duty, 100 lbs. capacity	Vented	24.00"	53.19	50.55
350103CJ	ES1928	Medium duty, 100 lbs. capacity	Vented	28.00"	57.95	55.05
350106CJ	HDES1919	Heavy duty, 400 lbs. capacity	Vented	19.25"	90.25	85.75
350109CJ	HDES1924	Heavy duty, 400 lbs. capacity	Vented	24.00"	113.99	108.29
350112CJ	HDES1928	Heavy duty, 400 lbs. capacity	Vented	28.00"	128.25	121.85

Roll-Out Shelves

Part No.	Product No.	Description	Type	Depth	1	5
350115CJ	SS1919	Medium duty, 75 lbs. capacity	Vented	19.25"	$128.25	$121.85
350118CJ	SS1924	Medium duty, 75 lbs. capacity	Vented	24.00"	142.49	135.39
350121CJ	SS1928	Medium duty, 75 lbs. capacity	Vented	28.00"	170.99	162.45
350124CJ	HDSS1919	Heavy duty, 150 lbs. capacity	Vented	19.25"	142.49	135.39
350127CJ	HDSS1924	Heavy duty, 150 lbs. capacity	Vented	24.00"	156.75	148.89
350130CJ	HDSS1928	Heavy duty, 150 lbs. capacity	Vented	28.00"	187.15	177.79

Rack Mountable Exhaust Fan

Part No.	Product No.	Voltage	CFM	Size	1	5
350211CJ	WCF110	115V	110	6.77"Dia x 1.5"D	$93.09	$88.45

Floor Attachments and Casters*



Part No.	Product No.	Description	1	5
350067CJ	ANCHORKT	Anchor kit for vertical rack mount enclosures, set of 4, black	$35.15	$33.39
350070CJ	ANTIPKTM	Anti-tip plate for vertical rack mount enclosures, black	39.89	37.89
350073CJ	CST1M	Swivel caster, black, supports 270 lbs.	12.35	11.75
350076CJ	CST1KT	Swivel caster kit, set of 4, black, supports 1080 lbs.	47.49	45.13

*To minimize shipping costs, all APW products ship direct from the manufacturer. Additionally, Jameco offers a special shipping rate for all APW products that's equal to 10% of the total APW product sales price.

Category 5e Network Cables



- UTP
- 8P8C
- 4 pair
- 24 AWG (7 x 43) stranded
- "Snagless" boot
- Color coded for easy wire tracing
- High-flexibility
- Achieve optimum system performance

Category 5e (350MHz)

Part No.	Length	Color	1	10	100
168292CJ	3 ft.	Gray	$1.79	$1.49	$1.39
168305CJ	7 ft.	Gray	2.99	2.59	2.39
168313CJ	15 ft.	Gray	5.29	4.39	3.99
168321CJ	25 ft.	Gray	7.99	6.79	6.39
201777CJ	3 ft.	Red	1.79	1.49	1.39
201785CJ	7 ft.	Red	2.99	2.59	2.39
201793CJ	15 ft.	Red	6.95	5.95	4.45
201806CJ	25 ft.	Red	7.99	6.79	6.39
201697CJ	3 ft.	Black	1.79	1.49	1.39
201700CJ	7 ft.	Black	2.99	2.59	2.39
201718CJ	15 ft.	Black	5.29	4.39	3.99
201726CJ	25 ft.	Black	7.99	6.79	6.39
201734CJ	3 ft.	Blue	1.79	1.49	1.39
201742CJ	7 ft.	Blue	2.99	2.59	2.39
201751CJ	15 ft.	Blue	5.29	4.39	3.99
201769CJ	25 ft.	Blue	7.99	6.79	6.39
201814CJ	3 ft.	Yellow	1.79	1.49	1.39
201822CJ	7 ft.	Yellow	2.99	2.59	2.39
201831CJ	15 ft.	Yellow	5.29	4.39	3.99
201849CJ	25 ft.	Yellow	7.99	6.79	6.39

Category 5 (100MHz)

Part No.	Length	Color	1	10	100
281261CJ	7 ft.	Gray	$2.49	$2.39	$2.25
281455CJ	25 ft.	Gray	4.35	4.15	3.95
277641CJ	6 ft.	Red	2.49	2.25	1.99
277659CJ	12 ft.	Black	2.99	2.69	2.45
203051CJ	10 ft.	Blue	2.75	2.15	1.59
277675CJ	12 ft.	Blue	2.99	2.69	2.45
277616CJ	6 ft.	Yellow	2.49	2.25	1.99
277667CJ	12 ft.	Yellow	2.99	2.69	2.45

Be a Star, Use A Star!



Sometimes it is necessary to use more than one surge protector at a workstation. My first impulse when stringing them together was to daisy-chain them; but was that the right approach?

Nowadays, I prefer to keep my power lead lengths to a minimum by plugging all strips into the wall or a single strip. The shorter path to the power source is less noisy electrically. Plus, the unit plugging into the wall doesn't carry the entire load.

Use this star configuration when you're connecting your power. If you're lucky, you'll never know the benefit!

Practical Practices
Money Saving Tips for the Engineer

Surge Protectors

TRIPP-LITE isobar®

MADE IN USA



139686CJ



74544CJ



19001CJ

- Up to $50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4 & 6-outlet protectors: 6' cord; 8 and 12-outlet protectors: 12' cord
- UL 1449 and 1283 listed • Lifetime warranty

ULTIMATE LIFETIME INSURANCE

Isobar Premium 19" Rack Mount Surge Protector

Part No.	Product No.	Joules	Description	Wt. (lbs.)	1	10
139686CJ	IBAR12RM	750	12 outlet, 2 isolated filters	4.7	$119.95	$107.99

Isobar Premium Surge Protectors

18981CJ	ISOBAR 4	2200	4 outlet, 2 isolated filters	2.4	$49.95	$44.95
74544CJ	ISOBAR 6	2350	6 outlet, 3 isolated filters	2.7	54.95	53.22

Isobar Ultra Premium Surge Protector

19001CJ	ISOBAR 8U	2350	8 outlet, 4 isolated filters	3.5	$69.95	$63.74

Standard Surge Protectors

TRIPP-LITE

Economical and effective spike and noise suppression with diagnostic LEDs.

168954CJ: • $5,000 Ultimate Lifetime Insurance
• Up to 27,000 amp spikes • Weight: 1.2 lbs.
124337CJ: • $35,000 Ultimate Lifetime Insurance
• Up to 42,000 amp spikes • Weight: 1.6 lbs.



168954CJ



124337CJ

Part No.	Product No.	Joules	1	10
168954CJ	Striker 7	480	$8.95	$8.49
124337CJ	Super 7	1402	17.95	16.26

6-Outlet Surge Protector



- Standard 6-outlet surge suppressor
- Heavy-duty power cord (14AWG x 3)
- RESET/OFF switch with built-in 15A circuit breaker • Clamping voltage: 400V
- Max. surge dissip.: 900 joules • Max. surge volt.: 6500V • Max. spike cur.: 4500A

Part No.	Description	Weight (lbs.)	1	10	100
216485CJ	Surge suppressor	0.9	$6.95	$6.25	$5.59

Integrated Wall Plate Surge Protectors

RCA

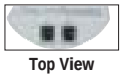
- $5,000 surge equipment guarantee • Safe-operation indicator lights
- 2 outlets • Noise-filter • UL/CUL approved

235002CJ: Satellite/Cable TV protection
• Cable ready • 670 joules
Includes: 6-foot coaxial cable

234991CJ: Modem/Phone/Fax protection
• Internet ready • 410 joules
Includes: 6-foot phone line cord

SALE





Top View

Part No.	Product No.	Size (WxDxH)	Weight (lbs.)	235002CJ 1	235002CJ 6	234991CJ 12
235002CJ	SPC300	6.9"x1.0"x10.8"	0.7	$5.95	$5.45	$4.95
234991CJ	SPT300	6.9"x1.0"x10.8"	0.7	5.95	5.45	4.95

Compact Surge Protector for Notebook Computers

SL WABER



- Single 3-prong receptacle outlet with telephone modem protection
- 3-prong wall mount type • 210 joule rating
- Surge LED indicator • RFI noise blocker

Includes: 4' RJ11 cord

Part No.	Description	Size	1	10	25
206279CJ	Outlet protector	2.3"W x 1.3"D x 3.3"H	$6.95	$6.25	$5.59

Power-Strip-Saver Single Outlet and "Y" Double Outlet

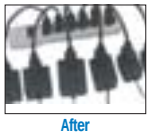
JAMECO ValuePro

A Jameco EXCLUSIVE

Get full use of your power strips and UPS outlets with our high quality power strip outlet saver, you can use all the outlets on your surge suppressors, UPS, and outlet strips. Just plug a bulky power adapter into this cable and free up your other outlets.



Before
4 Outlets Blocked



After
Every Outlet is Usable



"Y" Strip Saver
For extra adapters

- Length: 1 ft. • Cord type: SVT

Part No.	Description	1	10	100
199777CJ	AC power cord (black)	$1.69	$1.55	$1.39
208338CJ	AC power cord (beige)	1.69	1.45	1.09
208346CJ	"Y" power-strip-saver	$2.89	$2.75	$2.59

Battery-Backed UPS System

TRIPP-LITE



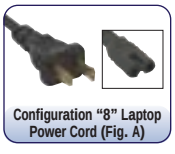
- Protects your PC, fax/modem and all peripherals against all types of power problems • Up to 45 minutes runtime
- Up to $25,000 Ultimate Lifetime Insurance for connected equipment
- 6-outlets, RJ11 for fax/modem protection • Weight: 16.0 lbs.
- Automatic system shutdown with free PowerAlert software for 500VA and 700VA

Part No.	Product No.	Description	1	10
185130CJ	IO500	500VA, 6 outlets	$120.99	$112.89

Power Cords

Quantity SAVE

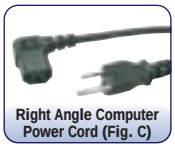
- Molded connectors
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- Temperature: -20°C to +60°C



Configuration "8" Laptop Power Cord (Fig. A)



Configuration "D" Laptop Power Cord (Fig. B)



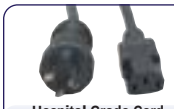
Right Angle Computer Power Cord (Fig. C)



Piggy-Backed Computer Power Cord (Fig. D)



Power Supply Extension Cord (Fig. E)



Hospital Grade Cord (Fig. F)



Monitor Power Adapter Cord (Fig. G)

Part No.	Mfr. Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Price 1	Price 10	Price 100	Price 250
2-conductor "8" style power cord for laptops and power supplies											
189587CJ	VW-1	.30	A	6'	Black	18/2	SPT-2	$2.49	$2.24	$1.79	$1.34
355944CJ	VW-1	.30	A	6'	Black	18/2	SPT-2	2.05	1.84	1.48	1.11
2-conductor "D" style power cord for laptops and power supplies											
200791CJ	LL114039	.30	B	6'	Black	18/2	SPT-2	$2.49	$2.24	$1.79	$1.34
3-conductor right angle power supply cord (shielded)											
173251CJ	17250RS	.40	C	6'	Black	18/3	SVT	$3.29	$2.96	$2.37	$1.78
3-conductor right angle power supply cord											
117356CJ	8120-6177	.41	C	6'	Gray	18/3	SVT	$3.95	$3.56	$2.84	$2.11
38076CJ	17250R	.54	C	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55
177383CJ	17507	.66	C	10'	Black	18/3	SJT	3.95	3.59	3.19	2.69
3-conductor piggy backed computer power cord											
84937CJ	17669-6 ✪	.47	D	6'	Black	18/3	SJT	$6.95	$6.25	$5.65	$4.75
3-conductor computer power supply extension cord											
28468CJ	PEC	.36	E	6'	Black	18/3	SVT	$3.89	$3.51	$2.69	$1.99
175855CJ	PECUL10	.53	E	10'	Black	18/3	SVT	3.29	2.96	2.37	1.78
319804CJ	LR94903	.33	E	6'	Gray	18/3	SVT	4.15	3.74	2.99	2.24
3-conductor power cord w/ hospital grade male (green dot)											
132011CJ	17006G	.82	F	10'	Gray	16/3	SJT	$8.45	$7.60	$6.08	$4.56
265412CJ	EXIT0W	.70	F	10'	Gray	18/3	SJT	7.99	7.29	6.55	5.89
115078CJ	17006	.84	F	10'	Black	16/3	SJT	8.95	8.05	6.45	4.89
3-conductor monitor power adapter cord											
177447CJ	MPC1	.16	G	1'	Black	18/3	SVT	$2.95	$2.66	$2.12	$1.59

***Thermoplastic Cord Jacket Type:** **SPT-2 (Flat):** Junior duty; **SVT (Round):** Light service; **SJT (Round):** Junior service
✪ Blue Part No. = Limited Quantity Available

Computer

Color Code Legend: New Sale Lower$ QtySave

Flat Panel Speaker System



- Built-in amplifier
- Low distortion
- Magnetically shielded
- Ultra thin satellite speaker and 3" subwoofer cone type speaker
- Designed for multimedia use
- Frequency response: 80Hz–16kHz
- Power output: speakers – 1W +1W (RMS) subwoofer – 5W (RMS)
- Front access LED, power, and volume controls
- Size: satellite – 5"W x 7.5"H x 2.5"D subwoofer – 5.75"W x 5.5"H x 6.6"D

Includes: Power adapter

Part No.	Description	1	10
382740CJ	Flat panel speaker	$18.89	$17.49

Dragon 180-Watt Multimedia Speakers



- 2-Channel stereo amplifier
- Magnetically shielded
- Two 3" 4Ω full-range speakers
- Frequency response: 100Hz to 20kHz
- Front panel control for volume, power, 3.5mm mini stereo jack
- Size:7.0"H x 3.0"W x 5.3"D • Weight: 2.0 lbs.

Power requirements: 2-prong 110VAC input

Part No.	Description	1	10	25
277229CJ	180W speakers	$9.99	$8.99	$8.09

Harman/Kardon Multimedia Amplified System



- 4.5W RMS per amplified speaker
- Transducer: 3" full range driver, magnetically shielded
- Freq. range: 90Hz to 20kHz
- Volume control, bass and treble control, LED indicator and headphone jack
- Size: 8.5"H x 4.5"W x 5.0"D • Weight: 4.7 lbs.

Includes: 16VAC @ 1A power supply

Part No.	Description	1	10
211001CJ	H/K speaker system	$12.95	$11.65

480-Watt Multimedia Speakers



- 2 magnetically shielded speakers
- 2-channel stereo amplifier
- Push button type power switch with LED indicator
- Knob controls for volume, bass & treble
- Input voltage: 120VAC
- Size: 5.5"W x 7.0"D x 9.1"H • Weight: 5.3 lbs.

Part No.	Description	1	10
196066CJ	480W speakers	$39.95	$35.95

PC Speakers

SALE



Perfect for desktop PCs with limited amount of space. Compatible with any desktop PC.

- 3.5mm stereo male plug
- Size: 4.7"H x 3.0"W x 4.0"D

Part No.	Model No.	1	5	10
311079CJ	5065-5746	$15.99	$14.39	$12.95

Hands-Free Condenser Microphone



- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H
- One-year warranty

Part No.	Description	1	10	50
135247CJ	Microphone	$4.49	$3.99	$3.65

Hands-Free Condenser Microphone



- Clip on microphone
- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.7"L x 1.3"W x 0.9"H

Part No.	Description	1	10	100
319759CJ	Microphone	$3.89	$3.69	$3.55

Commercial Customer

Open an account with us to consolidate your monthly billing and save time. Just call us! 1-800-831-4242

Books and Interface Cards

Parallel Port Complete



Lakeview Research Hands-on approach to PCs and their connections to parallel ports. This state-of-the-art book offers many tips on how to get the most out of your parallel port. Enhanced (EPP) and extended capabilities (ECP) types are covered. (343 pages, 1999)

- Windows® 3.1 & Windows® 95
- Selecting cables • PC to PC links
- Size: 7.0" x 10.0" • Weight: 1.4 lbs.

Includes: 3.5" diskette

Part No.	Description	Price
138261CJ	Parallel Port Complete	$32.89

Serial Port Complete



Lakeview Research Provides you with everything you need to design, program, install and troubleshoot the links you set up. (306 pages, 1998)

- Size: 7" x 10"
- Weight: 1.3 lbs.

Includes: 3.5" diskette

Part No.	Description	Price
154771CJ	Serial Port Complete	$39.95

Complete Embedded Ethernet and Internet Book



Lakeview Research Learn about networking with embedded systems. Topics include networking basics, hardware options in building a network, using internet protocol in local and internet communications.(482 pages, 2003)

- Size: 7.0" x 9.0" • Weight: 1.7 lbs.

Part No.	Description	Price
236945CJ	IC Design Projects Book	$44.95

PCI GPIB IEEE-488.2 Board

PCI Bus



- 1 MB/s transfer rate
- 1024 word FIFO buffer
- 7 interrupt lines, shared interrupt capability
- IEEE 488.2 standard interface
- Complete talker/listener/controller
- Transparent interrupt enabling/disabling

Part No.	Mfr. Cross Ref. No.	1	10
177121CJ	PCI-GPIB-1M	$398.95	$358.95
73154CJ	IEEE-488 1 meter cable	36.49	32.79
115781CJ	IEEE-488 2 meter cable	37.95	34.19
115801CJ	IEEE-488 4 meter cable	38.95	36.19

Pocket PC Reference Book



Sequoia Publishing The new Pocket PCRef 13th edition includes troubleshooting tools, wiring diagrams, connectors and pin outs, commands for WinXP and UNIX, CDROM drive configuration data, hard drive specifications, PC hardware, ASCII numbers, CPU processor specifications and much more. (1088 pages, 2004)

Part No.	Description	Size	Price
355231CJ	Pocket PCRef	4" x 6"	$15.15

Digital Input/Output Board TTL Level

PCI Bus



- Output: 2.5mA @ 0.45V sink, 2.5mA @ 2.4V source
- 24-bit digital I/O
- Three 8-bit ports

Includes: InstaCal: installation & test utilities software

Part No.	Product No.	1	10
197827CJ	PCI-DIO24	$88.95	$85.95

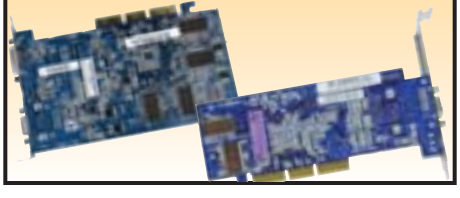
Digital Video Interface Cable



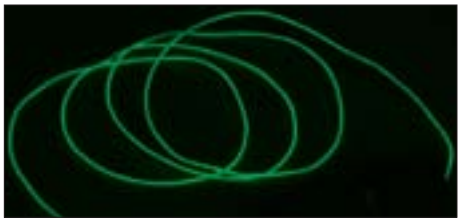
- DVI cable for flat panel LCD monitors and high-end video graphics cards
- Connector: DVI-D single link type
- Length: 6'

Part No.	Description	1	10	100
320346CJ	DVI cable	$13.45	$12.69	$11.99

All New Graphics Cards see page 207



Electroluminescence Wires



Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap these fluorescent wires around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant colors.

- Powered by 2 AA batteries
- Length: 4.5'

velleman

Part No.	Product No.	Color	1	10	25
263484CJ	NWRB15	Blue	$21.95	$20.95	$19.95
263505CJ	NWRG15	Green	21.95	20.95	19.95
263492CJ	NWRR15	Red	21.95	20.95	19.95

E-Mail Desktop Microphone

Add your voice to e-mail messages, with the touch of a button!



This revolutionary desktop device will change the way you use e-mail! Simply press a button and speak into the omnidirectional condenser mic, and the technology does the rest. In seconds, your recording is packaged and attached to a ready-to-send e-mail message, seamlessly and hassle-free. Included software facilitates file-management, and an optional add-on will even make an MP3 file from your words!

Part No.	Description	Price
315070CJ	E-mail desktop microphone	$41.95

Digital USB Voice Recorder

Pocket "secretary" captures all your great ideas.



Once you begin to use this sleek, feature & accessory-packed tapeless recorder, you'll wonder how you ever got along without it. Record up to 396 addressable messages totaling 9 hours (SP) or 18 hours (LP). They can be meetings, phone conversations, or audio from external devices, all in flawless digital clarity. USB connectivity quickly downloads your recordings to your PC. Included accessories: earphone, external (meeting) microphone, telephone adapter, audio cable, PC software, USB cable, and hand strap.



Lower $$$

Includes all the accessories needed!

Part No.	Description	Price
237198CJ	USB voice recorder, 9-18hrs	~~$129.95~~ $108.95

Flatwire Tape

Run home improvement and entertainment flatwire cables anywhere, invisibly!

This invisible innovation is a dream come true for do-it-yourselfers and home technology contractors! Just measure the length, peel the self-adhesive backing, and run these super-flat wires along walls, floors, under carpeting or behind molding! On finished walls, just smooth on a little spackle and paint for an amazing wiring installation that's typically only a few hundredths of an inch thick.



Specifications with White Backing

Part No.		Wires	Gauge	Width (in.)	Thick. (in.)	Max. Curr.	Typical Applications	Length (feet)	Price
263353CJ		8	16	0.75	0.25	13.0A	High wattage audio & lighting	25	$34.85
263396CJ		4	18	1.25	0.011	10.0A	Indoor or outdoor pairs for two speakers	25	33.59
263388CJ								100	121.95
263417CJ		2	75Ω	0.5	0.05	N/A	75Ω video coax for cable TV, video & CCTV	25	31.95
263409CJ								100	115.69
263450CJ		8	24	0.75	0.05	3.7A	4 pairs UTP for 100 base, TX, Cat5 or phone	25	46.95
263433CJ								100	163.45

Clip-on Mouse Pad

Organize and maximize your workstation.



Tired of trying to work without enough space? Free up your desk space with this convenient clip-on mouse platform. No drilling required–clamps on securely to your desk or workstation without damaging the desk. This unit also stores completely below your desk so you don't have to see it when it's not in use. Includes a cord clip to keep mouse cords tangle-free and in position.

Part No.	Description	Price
249105CJ	Clip-on mouse pad	$6.99

Look Up, It's Invisible!



Looking for a clever way to send wires up and down the office walls? Be sure to take a second look at the flatwire tape just above this article!

This unique wire, available for audio, video and networking applications, sticks to the office walls. Just add a little spackle and paint, and the wires become invisible.

Now you can place equipment where you need it without unsightly wires stretched up the wall!

Practical Practices
Money Saving Tips for the Engineer

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	88225CJ	TTL Logic Data Book, Texas Instruments	21



Color Code Legend
New Sale Lower$ QtySave

Color Code Legend: New | Sale | Lower$ | QtySave

14" Color CCTV Monitor



- NTSC/PAL switchable
- Operating frequency: EIA – 15750Hz/60Hz; CCIR: 15625Hz/60Hz
- Input voltage: 100 – 240VAC @ 50/60Hz
- Input signal: CVBS – 1Vp-p (typical); Y/C separation – 1Vp-p
- Input impedance: hi/lo impedance (switchable)
- Video in/out channel (BNC): 2 BNC connectors (CVBS in/out); 2 4-pin mini DIN (YC in / YC out)
- Audio in/out channel: 2 inputs / 2 outputs
- Front panel control: power on/off; contrast, brightness, color, tint, sharpness, volume (AV / YC) switches
- CRT: 14" diagonal
- CRT dot pitch: 0.63mm
- Resolution: >420 lines
- Power consumption: 70W
- Size: 13.8"W x 14.4"D x 12.6"H • Weight: 31.9 lbs.

Part No.	Product No.	1	10
320119CJ	15-MC14A	$277.39	$249.65

Black & White CCD Camera with 6" Monitor

Camera: EIA Format



- 512(H) x 492(V)
- 1/3" CCD image sensor
- 380 TV line res.
- 6 IR LED light for view in the dark application
- 15.734kHz horizontal synch. frequency
- 2:1 interlace scanning system
- 1/100,000 second electronic shutter
- 3.6mm lens with F2.0 • S/N ratio: 48dB
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p, 50Ω maximum • 0 lux at 2M
- BNC connector for video & RCA connector for audio
- Power supply: 12-15V @ 130mA • FOV: 92˚
- Size: 2.2"W x 2.8"D x 2.1"H

Includes: Camera bracket

Monitor: EIA Format

- 6" 2-channel flat screen monochrome monitor
- Vertical hold, brightness and contrast adjustment knobs at rear of monitor
- Size: 6.7"W x 7.2"D x 5.2"H • Weight: 7.7 lbs.

Includes: 20M audio/video cable, manual and 15V @ 1A center positive power supply

Part No.	Description	1	10
170616CJ	Camera w/ monitor	$169.95	$149.95

Mini Dome Color Camera

NTSC Format



- Perfect for ceilings
- 1/4" CCD image sensor
- 512(H) x 492(V)
- 330 horizontal line res.
- S/N ratio: 46dB
- 15.73kHz horizontal synch. frequency
- Scanning system: 2:1 interlace
- Up to 1/96,000 second electronic shutter
- 3.6mm lens with F2.0 • Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 160mA (recommend P/N 162996CJ, pg 185)
- 2 lux/F2.0 • FOV: 92˚ • Size: 3.5"Dia. x 2.3"H

Includes: Mounting hardware

Part No.	Description	1	10
171037CJ	Mini-dome camera	$145.95	$129.95

Color Camera with 8mm Lens

NEW



- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- S/N ratio: 52dB
- Scanning system: 2:1 interlace
- Electronic shutter: 1/120,000 sec.
- Auto iris lens: DC drive / AES / video drive
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable
- Auto-tracing white balance
- 2X digital zoom
- Power requirements: 12VDC@150mA
- Size: 5.0"L x 2.0"W x 2.0"H • Weight: 0.8 lbs.

Part No.	Description	1	10
395461CJ	Color camera	$88.99	$86.89

Black and White Camera with 8mm Lens



- 1/3" CCD image sensor
- Horizontal res: 420TV lines
- Min. illumination: 0.1 lux
- Horizontal freq.: 15.734kHz
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- Clock freq.: 19.0699MHz
- S/N ratio: 48dB
- Scanning system: 2:1 interlace
- Electronic shutter: 1/100,000 sec.
- Auto iris lens: DC drive / AES / video drive
- Video ouput: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight compensation and auto-gain control selectable
- Power requirements: 12VDC@100mA; 24VAC
- Size: 4.5"L x 2.0"W x 2.0"H • Weight: 0.8 lbs.

Part No.	Description	1	10
245041CJ	Black & white CCD camera	$99.95	$89.95

Night Vision Infrared Lighted Camera

EIA Format



- Adjustable camera lens
- Auto iris controlled
- Built-in voltage regulator
- Horizontal synch. frequency: 15.734kHz
- 6 infrared LEDs for night vision
- Scanning system: 2:1 interlace
- Video output: 1Vp-p; 75Ω • Lens: 3.6mm
- Audio output: 2Vp-p max. • 380 TV line resolution
- FOV: 92˚ • 0.1 lux with F2.0
- Matching conn.: RG59 BNC (P/N 71271CJ, pg 127)
- Size: 2.9"L x 2.0"W x 2.0"H • Weight: 1.2 lbs.

Includes: 12VDC @ 500mA power supply and wall mounting bracket

Part No.	Description	1	10
150404CJ	Infrared lighted camera	$119.95	$109.95

Save Big! Special Values!

New Lower Prices = Orange
Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

Mini Enclosed Color NTSC Camera



- 1/4" CCD Sensor
- 350 horizontal TV lines
- 1 lux/F2.0
- Electronic shutter: up to 1/120,000 sec.
- NTSC system w/ 512(H) x 492(V)
- Scanning system: 2:1 interlace
- Signal to noise ratio: 48dB
- Lens: 3.7mm/F2.0
- Video output: 1Vp-p, 75Ω • FOV: 92˚
- Size: (enclosure) 1.3"L x 1.1"W x 0.9"D
- Weight: 0.3 lbs. • Two-year warranty

Requires: 9VDC – 12VDC @ 500mA power supply (recommend P/N 100853CJ, pg 186)

Includes: BNC/Power cable and mounting hardware

Part No.	Description	1	10
215423CJ	Mini enclosed camera	$129.95	$119.95

Color Interline Camera

Water Resistant with Adjustable Mounting Bracket



- EIA format
- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 2:1 scanning interlace system
- 5 lux sensitivity
- Video output: 1V p-p; 75Ω
- 6mm lens/F2.0
- S/N ratio: 40dB • FOV: 530
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply
- Size: 2.6"L x 0.9"Dia.

Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017CJ	Color camera	$99.95	$89.95

SONY® Color CCD Camera

Sony Chipset



- 1/4" Sony super HAD CCD sensor
- NTSC system with 510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Signal to noise ratio: >48dB
- 330 TV lines
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Internal, negative synchronous system
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 163993CJ, pg 186)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	10
213436CJ	Enclosed color camera	$179.95	$161.95

Security

WaterProof Tube Style IR Color Camera



NTSC Format

- For indoor and outdoor use
- ¼" CCD image sensor
- 512(H) x 492(V)
- 420 horizontal line resolution
- 59.94Hz vertical frequency
- Scanning system: 2:1 interlace
- 0 lux w/ 20 IR LEDs
- Internal synchronization
- S/N ratio: >48dB
- Up to 1/100,00 sec. electronic shutter
- Auto white balance and gain control
- 880 ~ 940nM infrared wavelength
- Video output: 1Vp-p, 75Ω
- 4.3mm lens with F1.8 • Size: 2.1"Dia x 3.8"L

Requires: 12VDC @ 160mA power supply (recommend P/N 162996CJ, pg 185)

Includes: Mounting hardware

Part No.	Product No.	1	10
319901CJ	15-CM25WM	**$189.05**	**$184.29**

2.4GHz Wireless Color Dome Camera



NTSC Format

- ¼" CCD image sensor
- 512(H) x 492(V)
- 380 horizontal line resolution
- 1 lux with F2.0
- Scanning system: 2:1 interlace
- S/N ratio: 48dB
- 60Hz vertical frequency
- Up to 1/120,000 second electronic shutter
- 3.6mm lens with F2.0 • FOV: 92˚
- Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 300mA
- Size: 3.4"Dia x 2.3"H

Includes: 12VDC @ 300mA power supply and mounting hardware

Part No.	Product No.	1	10
319855CJ	15-2400CTD	**$212.25**	**$191.15**

2.4GHz Wireless Weatherproof Color Camera with PIR



NTSC format

- For indoor and outdoor use
- ¼" CCD image sensor
- 380 horizontal line resolution
- 3 lux with F2.0; 0.5lux with F1.2
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max
- Transmitter output power: 10mW
- Output impedance: 50Ω typical
- Pulse counter w/ automatic reset
- Size: 4.2"W x 5.0"D x 4.8"H

Includes: 12VDC @ 500mA power supply and mounting hardware

Part No.	Product No.	1	10
319871CJ	15-2400CTH	**$236.55**	**$212.89**

Mini Wireless Color Camera



Now you can place a color video camera with sound almost anywhere! This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150-foot (unobstructed) range, light weight, and 9-volt battery power, you can now add video capability to a world of hobby applications.

Part No.	Description	1	10
249025CJ	Wireless color camera	**$89.95**	**$80.95**

2.4GHz Wireless Audio/Video Transmitter



- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 watt
- Video input: 1 Vp-p
- Audio input: 2 Vp-p
- Size: 2.4"L x 1.9"W x 1.4"H

Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

179864CJ:

- For use with 2.4GHz cameras, transmitters and receivers
- Gain: 3dB; unidirectional

Part No.	Description	1	10
289852CJ	Wireless audio/video tran. ..	**$199.95**	**$179.95**
179864CJ	2.4GHz SMA RF antenna	**15.15**	**13.65**
179872CJ	Wireless extension cable	**10.99**	**9.89**

4-Channel 2.4GHz Wireless Audio/Video Receiver and 10mW Transmitter

Make your camera wireless up to 492 feet!





- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable on transmitter
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- RCA jacks for audio and video connectors

Receiver:

- Non-volatile memory protects system set-up from power loss
- Video loss detection and freeze channel
- Mute and alarm trigger port
- Size: (transmitter) 4.5"L x 3.2"W x 1.0"H
- Size: (receiver) 6.5"L x 5.5"W x 1.4"H
- Weight: 1.8 lbs.

Includes: RCA cable, 12VDC@500mA adapter, RCA to F connector adapter (receiver unit only)

Part No.	Description	1	10
192858CJ	4-channel transmitter	**$94.45**	**$85.05**
192866CJ	4-channel receiver	**124.95**	**112.95**

4-Channel 2.4GHz Wireless Audio/Video Transmitter System



CCIR, NTSC, PAL, EIA Format

- ISM Band: 2.413 – 2.470GHz
- Four selectable transmitter and receiver channels
- Antenna mode: dipole (omnidirectional)
- Impedance: 50Ω typical
- Video input: 1 Vp-p composite
- Audio input: 2Vp-p max. • Weight: 3.2 lbs.

Includes: Two 9VDC @ 300mA with 1.3mm x 3.5mm center positive plug, and two 2.5mm male to RCA patch cables

Part No.	Description	1	10
265308CJ	4-ch. wireless system	**$149.95**	**$134.95**

SONY® Black & White Low-Light Camera



Sony Chipset

- Signal to noise ratio: >48dB
- Requires 12V power source (not included)
- 6" wires with 4-pin Molex-type keyed connector
- EIA system 537(H) x 505(V)
- Temp. tolerance: -5˚C to 40˚C • Lens: 3.6mm
- Composite output with 420 line resolution
- Shutter speed: 1/60 - 1/1000 • FOV: 92.6˚
- Video output: 1.0Vpp composite video/75Ω
- Size: 1.3"L x 1.3"W x 1.0"H • One-year warranty

Part No.	Description	1	10	25
150931CJ	Camera board	**$71.79**	**$64.79**	**$58.15**
159071CJ	8mm lens 38.6˚	**17.95**	**17.10**	**16.25**

Black & White Camera with Lens



EIA Format

- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal resolution: >350 lines
- Scanning system: 2:1 interlace
- Sensitivity: 0.7 lux/F2.0
- Video output: 1Vp-p, composite video 75Ω
- Power supply: 12VDC (recommend P/N 162996CJ, pg 185)
- Size: 1.3"L x 1.3"W x 1.2"H • S/N ratio: 46dB
- Power consumption: 110mA • FOV: 92˚
- Electronic shutter: 1/125,000 sec. (linear)

Part No.	Description	1	10
171029CJ	Camera board	**$44.95**	**$40.45**

Color CMOS Camera Board



NTSC Format

- 1/3" image sensor
- 5.0 CMOS lux • FOV: 92˚
- 3.6mm lens/F2.0 • 330 TV lines
- Low power consumption
- Automatic exposure, gain and white balance • Size: 1.0"L x 0.9"W x 1.1"H

Part No.	Description	1	10
171011CJ	Camera board	**$77.65**	**$69.89**

We're Listening to What You Need

Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.

Security

Color Code Legend: New Sale Lower$ QtySave

Digital Color Quad Processor



A fully digital color quad processor with 2 x 2 zoom for VCR playback, built-in OSD time generator (Day / Time / Title on-screen), auto video signal detection and adjustment on each camera, and monitor output quad / full screen / sequential switcher.

- NTSC format
- 60 fields / sec. display rate
- 4 video input channel
- Video output: 1Vp-p, 75Ω (selectable at full screen or quad switched)
- 4 alarm inputs, 1 alarm output (NO/NC)
- 1024 x 512 digital memory
- 1 to 99 seconds switching interval
- 6 BNC connectors at rear panel
- Size: 8.5"W x 1.8"H x 8.0"D
- Weight: 2.6 lbs.

Includes: 9VDC @ 800mA power supply, DB25 male to stripped and tinned cable, and manual

Part No.	Product No.	1	10
319935CJ	15-QC42	$242.25	$218.05

4-Channel Digital Video Multiplex Recorder



Record and monitor your security surveillance system with this 4-channel digital video multiplex recorder. Connect 4 cameras to this recorder, attach a monitor for viewing features, and connect your PC through the RS-232 interface to operate the recorder. Attach a RJ-45 cable for network connection, and install 1 or 2 hard disk drives to the recorder.

- TCP/IP with client software web interface
- Conventional VCR back up, remote back-up using TCP/IP, or internal back-up
- RS-232C, RS-485, 4-alarm input, 1 relay output
- Pan, tilt, zoom, and focus camera control
- Plug and play

Video I/F

- 4-channel input, 1Vp-p, 75Ω unbalanced BNC type connectors
- S/N ratio: >48dB • 480 TV lines
- 4 output (BNC/SVHS/VGA type)
- 16.7 million colors

Monitoring Method

- Split screen (full or quad display), zoom, PIP, sequence
- Screen quality: full screen – 720(H) x 480(V) active pixels; ¼ screen – 360(H) x 240(V) active pixels

Recording/Playback Function

- 30 frames/sec. maximum
- JPEG compressed picture
- Quad screen recording or field switcher method
- Real time/time lapse/event record mode
- Search/still track play

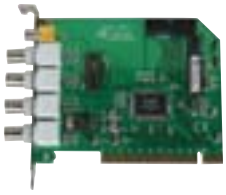
Includes: remote control, 12VDC @ 4.16A power supply, manual and software in CD-ROM

Part No.	Product No	1	10
320127CJ	15-DVR04SAE-LAN	$664.05	$597.65

Need additional BNC or video cables?
We have them.
See pages 102-103 & 127.



DigiVue™ Digital Surveillance System



This new high-speed PCI video capture card comes with 4-channel video and 1-channel audio input that provides superb digital images from multiple cameras and remote surveillance. Add up to 4 cards per system controlling up to 16 cameras.

- Input signal: 4 video, 1 audio synchronized mono (with sound card) • Time/date stamp
- Display: 1/4/9/16/full screen
- Display and record: 60 frames per second (per card)
- Record mode: event/continuous/scheduled
- Enhanced MPEG4 format • Size: 4.9"L x 3.6"H
- Color adjust: adjustable light, contrast, hue, saturation
- Resolution: 160 x 120 up to 640 x 240
- Multitask: monitoring, recording, PTZ control, remote, back-up
- Motion detection: 16 zone x multi area for each camera
- Storage: HDD, VDRAM, CD-RW, DAT, ZIP
- Support internet monitoring: client software, explorer, or windows media player

Includes: CD-ROM software and drivers

Minimum system requirements: Pentium® III/ 800MHz, 128 MRAM, 32M AGP video card or above (recommend Pentium® 4/1.8GHz, 64M AGP video card)

Part No.	Product No.	1	4
262019CJ	EDV-XVIEW4	$237.55	$225.95

Audio/Video Adapters

CAT 5 UTP



210471CJ

- Converts impedance of video/audio signals to 100Ω for transmission over CAT 5 UTP cable
- Supports both NTSC or PAL video signals
- Built-in impedance matching device and filter for video and audio signal transmission
- Use with existing premises wiring and wall jacks for easy and cost effective installation
- Video transmission distance: 1000' color/ 2000' B/W

210471CJ/311124CJ: Signal pair: video (BNC), CAT pair 1 (RJ45)
220880CJ: Signal pairs: video (BNC), CAT pair 4 (RJ45); audio 1 (RCA); CAT pair 3 (RJ45); audio 2 (RCA), CAT pair 2 (RJ45)

Includes: Mounting hardware

Part No.	Connector Type	1	10
210471CJ	BNC/RJ45 w/ cable	$28.45	$25.60
311124CJ	BNC/RJ45	19.35	18.35
220880CJ	BNC/RCA/RJ45	42.95	38.66

Cable Assembly (75Ω RG59/U BNC – BNC)



Part No.	Length	1	10	50	100
262730CJ	25'	$9.95	$8.95	$8.05	$7.25
262748CJ	50'	17.05	16.25	15.45	14.69
262764CJ	100'	30.39	28.89	27.45	25.99

For additional BNC Cables see pages 103 & 127.

ATEN SVGA Monitor Splitters



176866CJ



133866CJ

Duplicate a video signal from one source to monitors up to 210 feet away.

- Suitable for SVGA, VGA & multisync monitors

176866CJ: 2-channel

- 1 HDDB15 male connector from PC to box; 2 HDDB15 female connectors from box to monitors
- Size: 6.6"L 3.3"W x 1.1"H • Weight: 1.4 lbs.

133866CJ: 4-channel

- Slide switch for video signal gain control
- Daisy chainable • One-year warranty
- Size: 8.8"L x 6.0"W x 1.9"H • Weight: 3.6 lbs.

Includes: Power adapter and manual

Part No.	Description	1	10
176866CJ	2-ch. monitor splitter	$49.95	$44.95
133866CJ	4-ch. monitor splitter	59.95	53.95

Video RF Modulator w/ S-VHS Input



Designed to convert separate audio and video signals from various video components.

- RF outputs: 3 or 4 channel switch selectable
- RF output impedance: 75Ω
- Video input impedance: 75 or 1kΩ
- Audio input impedance: 13 +/-3kΩ
- TV to antenna insertion loss 50 – 806MHz: -2dB
- Video carrier output level: 69dBuV

Part No.	Product No.	Description	Price
319062CJ	203-101	Video RF Modulator	$14.95

Audio Video Selectors



319151CJ:

- Manual 4x1 audio/ video selector with S-VHS inputs and integrated 3/4 channel RF modulator. Designed to convert separate audio and video signals into a single VHF-TV signal viewable on most TV sets

319142CJ:

- Auto audio/video selector with S-VHS inputs. Automatically redirects signal to display active signal source. 12VDC@200mA power supply included

Part No.	Product No.	Size (WxDxH)	Price
319151CJ	200-470	9.4" x 5.0" x 1.9"	$34.95
319142CJ	200-465	9.7" x 5.9" x 2.1"	54.95

SMK RF Modulator



- Output frequency: NTSC Ch. 3/4, switch selectable
- 12VDC RF modulator
- Operating voltage: 12V@ 50mA max.
- Video modulation: 1.0V p-p
- RF output impedance: 75Ω (F type connector)
- Audio FM deviation: 1.4V p-p
- PC connections: solder tab connectors
- Size: 1.7"L x 1.7"W x 0.7"H
- Manufacturer No.: WMN2144-01

SALE

Part No.	Description	1	5	10
141639CJ	RF modulator	$2.49	$2.29	$2.09

Mount your video camera almost anywhere

As steady as a tripod, the Window Camera Mount lets you anchor that video camera to any glass surface at any height.





Mounts easily to your car window

Mount your video or CCTV camera on any window or other non-porous surface, and capture what you've never been able to before. This heavy-duty metal mounting bracket attaches securely to any glass surface with a strong lever-activated 3.25" neoprene suction cup. Mount your camera onto the tripod-style screw. Adjust to any position, and you're ready to shoot hands-free. It's perfect for temporary surveillance of your business or home. For cameras up to 3 lbs.

Part No.	Description	1	5
222746CJ	CCTV camera window mount	$33.19	$29.87

Mini Indoor Pan & Tilt Mechanism

Continuous Pan



Camera not included

- Automatic scanning: 0˚ – 355˚ angular travel; pan clockwise and counter-clockwise
- Manual tilt: 0˚ - 90˚
- Pan speed: 5˚/sec.
- Maximum load: 4.4 lbs.
- Power consumption: 1 watt
- Size: 2.5"Dia. x 2.4"H
- Warranty: 2 years continuous use • Weight: 0.4 lbs.

Includes: 24V @ 150mA power supply, wall mount bracket and mounting hardware

Part No.	Description	1	10
215407CJ	Mini pan/tilt	$49.95	$44.95

Outdoor Metal Camera Enclosures

- Plate glass: 3mm thick
- Outdoor use

170931CJ: without heater



170931CJ

- Clear window area: 2.5"W x 2.3"H
- Max. camera size: 4.0"L x 2.4"W x 2.4"H
- Size: 16.0"L x 4.9"W x 4.9"H • Weight: 2.8 lbs.

170940CJ: w/ heater (keeps optics from fogging)

- Clear window area: 3.5"W x 3.1"H
- Max. camera size: 6.5"L x 3.2"W x 3.2"H
- Size: 11.0"L x 3.6"W x 3.6"H • Weight: 6.8 lbs.

Part No.	Description	1	10
170931CJ	Camera housing	$28.45	$26.55
170940CJ	Camera housing w/ heater	62.95	59.89

Indoor Metal Camera Enclosure



- Clear window area: 2.2"W x 1.8"H
- Maximum camera size: 7.1"L x 2.6"W x 2.4"H
- Overall size: 11.7"L x 3.1"W x 2.7"H • Weight: 1.5 lbs.

Part No.	Description	1	10
310691CJ	Camera housing	$27.49	$26.15

Camera Mounting Bracket



- Aluminum construction (white coated)
- Maximum load: 6.5lbs.
- Overall height: 5.1"
- Base diameter: 1.8"
- 360 degree tilt swivel
- 120 degree tilt angle
- Base mounted w/ 3 screws (included)

Part No.	Description	1	10
311191CJ	15-B009	$6.65	$6.19

Mounting Brackets for Enclosed Camera



171002CJ 170982CJ

- Material: plastic
- Base mounted w/ 3 screws
- Swivel angle: 360˚
- Tilt angle: 90˚
- For use w/ enclosed cameras (P/N 150404CJ, pg 220)

171002CJ: • Color: ivory
170982CJ: • Color: white

Part No.	Max Load (lbs.)	Ht. (in.)	1	10
171002CJ	11 lbs.	6.4	$4.69	$4.08
170982CJ	6.6 lbs	2.0	5.49	4.94

Heavy Duty Camera Mounting Bracket



- Steel construction (white coated)
- Maximum load: 22 lbs.
- Overall length: 11.2"
- Base size: 3.8"L x 33.3"W
- 360˚ swivel angle, 90˚ tilt angle

Includes: Base mounted w/ 3 screws

Part No.	Product No.	1	10
320151CJ	15-B006	$16.65	$14.95

Monitor/TV Wall Mount Bracket

SALE



- 95˚ swivel
- Assembly required
- Requires unit base to be mounted securely to wall stud
- Wall mount screws not included
- Supports up to 66 lbs. • Weight: 9.0 lbs.

Part No.	Description	1	10
181817CJ	12"–18" TV wall mount	$23.69	$21.55

Mini Alarm Siren



- Sound pressure: 108dB
- Output frequency: 3000Hz
- Rated: 2-12VDC @ 300mA
- Adjustable mounting plate
- 16" color coded connector wires, tinned
- Size: 2.8"Dia. x 2.5"L

Part No.	Description	1	10	50
148152CJ	Alarm siren	$8.95	$7.99	$6.35

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!
1-800-831-4242

EyeD Hamster USB Fingerprint Scanner



The EyeD Hamster fingerprint recognition tool for computers focuses on both security and convenience. This unit, which can be connected to the USB port of a computer and separate from the mouse, provides a simple, convenient and reliable security system instead of using passwords which are hard to remember or can be stolen. Applications such as computer networks, computer security, business IT solutions, E-commerce, banking and financial security and medical information systems are some of the environments where security plays an essential part.

- Assures computer security through fingerprint recognition
- Provide fast matching • USB interface
- Compact in size, takes up less than 3" of desk space

Includes: Installation manual and CD-ROM drivers

System requirements: Windows® 95/98/NT4.0/2000/ME/XP, available USB port

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
262713CJ	EyeD Hamster ✪	$115.95	$104.35

EyeD USB OptiMouse with Biometric Recognition Software

SALE



With security and convenience of its finger print recognition module, this is the world's smartest mouse. No need to memorize passwords—the simple yet unique touch of your finger securely protects your PC, network, and the Internet all at once.

- Surface enhanced irregular reflection optical design
- Fingerprint extraction and verification technology
- Applications: PC and network security, Enterprise IT solution, secure files and folders within your PC, E-commerce

System requirements: Windows® 95/95/NT/2000/ME/XP, available USB port

Part No.	Description	1	10
262625CJ	EyeD USB OptiMouse	$115.95	$110.19

Notebook Computer Security Cable

NEW



This security cable uses a unique lock slot that is built into most of today's leading notebook computers. If your computer is from Apple, Compaq, Dell, Digital, HP, IBM or Toshiba, among others, you probably have the built-in security lock slot at the side of your computer. Safeguard your laptop, desktop, and other valuable equipment.

- Length: 6 feet

Part No.	Description	1	10
355573CJ	Security cable	$26.85	$24.19

See www.Jameco.com/DMM for accuracy and complete specifications

JAMECO BenchPro ✓ Professional Grade ✓ Consistent Quality ✓ Awesome Prices ✓ Backed by Jameco

Color Code Legend: New Sale Lower$ QtySave

DMMs

See www.Jameco.com/DMM for accuracy and complete specifications

JAMECO BenchPro ✓ Professional Grade ✓ Consistent Quality ✓ Awesome Prices ✓ Backed by Jameco

Mastech M300
- 2000 count
- 6 functions
- Extremely low cost



Pocket Sized

P/N 220812CJ
$9.79

Sizes shown are for relative comparisons.

Velleman DVM850BL
- 2000 count
- 6 functions



P/N 355207CJ
$16.75

Jameco JE110
- 2000 count
- 6 functions
- Pocket size with 100µV resolution



Quantity SAVE

Pocket Sized

P/N 119212CJ
$19.95

BP-1562
- 2000 count
- 6 functions



A Jameco EXCLUSIVE

P/N 318781CJ
$9.95

Mastech MAS830L
- 2000 count
- 7 functions
- Continuity test



SALE

P/N 220759CJ
$13.95

Mastech MAS838
- 2000 count
- 8 functions
- Temperature



SALE

P/N 220741CJ
$19.95

BP-1206
- 2000 count
- 8 functions
- Auto-zero



A Jameco EXCLUSIVE

P/N 27116CJ
$39.95

Extech MV110
- 2000 count
- 8 functions
- Tiltable display



P/N 197958CJ
$36.95

Metex M3800
- 2000 count
- 8 functions
- Auto-zero



P/N 27115CJ
$39.95

Sizes shown are for relative comparisons.

Mastech MY64
- 2000 count
- 11 functions
- Temperature
- Frequency



P/N 220775CJ
$38.79

Jameco Part No.	Manufacturer No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Diode Test	Logic Test	Continuity Test	Transistor h_{FE} Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing 1	Pricing 5
220812CJ	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—		—	—	—	✔		✔						4.7 x 2.7 x 0.8	220812CJ	$9.79	$8.85
355207CJ	Velleman DVM850BL	2000	6	100µV	200m - 100	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	✔		✔	✔					5.4 x 2.7 x 1.2	355207CJ	16.75	15.92
119212CJ	Jameco JE110	2000	6	100µV	200m - 1000	200 - 750	200µ - 10	—	200 - 2M	—	—	⟷	—	—	—	✔			✔					4.8 x 2.6 x 1.0	119212CJ	19.95	15.96
318781CJ	BenchPro BP-1562	2000	6	100µV	200m - 600	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✔			✔					5.4 x 2.7 x 1.2	318781CJ	9.95	9.45
220759CJ	Mastech MAS830L	2000	7	100µV	200m - 600	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	✔		✔	✔					5.7 x 3.0 x 1.4	220759CJ	13.95	13.24
220741CJ	Mastech MAS838	2000	8	100µV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—		—	-20 to 1000	—	✔		✔	✔					5.7 x 3.0 x 1.4	220741CJ	19.95	15.96
27116CJ	BenchPro BP-1206	2000	8	100µV	200m - 1000	200m - 700	20µ - 10	20µ - 10	200 - 20M	—	—		—	—	—	✔		✔	✔					6.8 x 3.5 x 1.4	27116CJ	39.95	35.95
197958CJ	Extech MV110	2000	8	100µV	200m - 1000	200m - 750	20µ - 10	20µ - 10	200 - 200M	—	—		—	—	—	✔		✔	✔					7.3 x 3.5 x 1.3	197958CJ	36.95	35.19
27115CJ	Metex M3800	2000	8	100µV	200m - 1000	200m - 700	20µ - 20	20µ - 20	200 - 20M	—	—		—	—	—	✔		✔	✔					6.8 x 3.5 x 1.4	27115CJ	39.95	35.95
220775CJ	Mastech MY64	2000	11	100µV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20µ	—	⟷	2k - 20k	-20 to 1000	—	✔		✔	✔					7.4 x 3.6 x 1.3	220775CJ	38.79	34.91
177480CJ	AEEC 2890	2000	11	100µV	200m - 1000	2 - 700	2m - 10	200m - 10	200 - 20M	2n - 20µ	—		20k	-20 to 1000	—	✔		✔	✔					8.0 x 4.0 x 2.0	177480CJ	52.49	47.24
182035CJ	Fluke 73-III	3200	9	100µV	320m - 600	320m - 600	320m - 10	320m - 10	320 - 32M	—	—		—	—	—	✔		✔		✔	✔			6.6 x 3.0 x 1.1	182035CJ	164.95	159.95
220767CJ	Mastech MY68	3260	12	100µV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	—		32.6k - 150k	—	—	✔		✔	✔	✔	✔			7.4 x 3.6 x 1.3	220767CJ	35.95	32.36
216514CJ	Metex ME-31	4000	10	100µV	400m - 1000	400m - 750	4m - 20	4m - 20	400 - 4M	—	—		—	—	—	✔		✔		✔	✔	✔		7.3 x 3.3 x 1.5	216514CJ	56.95	54.15
211650CJ	Extech MN26	4000	11	100µV	400m - 600	400m - 600	400µ - 10	400µ - 10	400 - 40M	4n - 200µ	—		10 - 10M	0 to 760	0 to 1400	✔		✔		✔				4.8 x 2.4 x 1.6	211650CJ	39.95	37.95
117373CJ	BenchPro BP-1949	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	✔		✔		✔		✔		7.7 x 3.6 x 1.6	117373CJ	99.95	94.95
137462CJ	BenchPro BP-1737	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—	⟷	5 - 50k	-20 to 1000	—	✔		✔		✔		✔	✔	7.7 x 3.6 x 1.6	137462CJ	119.95	113.95
117372CJ	Metex M3850D	4000	14	100µV	400m - 1000	400m - 750	400µ - 20	400µ - 20	400 - 40M	4n - 400µ	—		4k - 40M	-40 to 1200	—	✔		✔	✔	✔	✔	✔		7.2 x 3.3 x 1.8	117372CJ	104.95	99.69
215589CJ	Metex M3890D	4000	15	100µV	400m - 1000	4 - 750	400µ - 20	400µ - 20	400 - 40M	4n - 200µ	—		4k - 4M	-40 to 1200	-40 to 2192	✔	✔	✔	✔	✔	✔	✔		7.8 x 3.5 x 1.7	215589CJ	99.95	94.99
137461CJ	Metex M3860D	4000	16	100µV	400m - 1000	400m - 750	40m - 20	40m - 20	400 - 40M	4n - 400µ	40m - 400m		4k - 40M	-40 to 1200	—		✔	✔	✔	✔	✔	✔	✔	7.2 x 3.3 x 1.8	137461CJ	149.95	134.99

DMMs continued on pages 226 – 227.

DMMs continued on pages 226 – 227.

Test/Tools

AEEC 2890
- 2000 count
- 11 functions
- Temperature
- Frequency
- Tiltable display



P/N 177480CJ
$52.49

Fluke 73-III
- 3200 count
- 9 functions
- Autorange
- Frequency
- Analog bargraph



P/N 182035CJ
$164.95

Mastech MY68
- 3260 count
- 12 functions
- Autorange
- Analog bargraph



SALE

P/N 220767CJ
$35.95

Metex ME-31
- 4000 count
- 10 functions/RS232
- Autorange
- Analog bargraph



P/N 216514CJ
$56.95

Extech MN26
- 4000 count
- 11 functions
- Autorange
- Temperature
- Frequency



Pocket Sized

P/N 211650CJ
$39.95

BP-1949
- 4000 count
- 12 functions/RS-232
- Autorange
- Temperature
- Frequency



A Jameco EXCLUSIVE

P/N 117373CJ
$99.95

BP-1737
- 4000 count
- 12 functions/RS-232
- Autorange
- Temperature
- Frequency



True RMS

A Jameco EXCLUSIVE

P/N 137462CJ
$119.95

Metex M3850D
- 4000 count
- 14 functions/RS-232
- Autorange
- Temperature
- Frequency



Analog Bargraph

P/N 117372CJ
$104.95

Metex M3890D
- 4000 count
- 15 functions/USB
- Autorange
- Temperature
- Frequency



Triple Display

P/N 215589CJ
$99.95

Metex M3860D
- 4000 count
- 16 functions/RS232
- Autorange
- Temperature
- Frequency



True RMS

Dual Display

P/N 137461CJ
$149.95

Color Code Legend: New Sale Lower$ QtySave

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Color Code Legend: New Sale Lower$ QtySave

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FLUKE

Fluke 110
- 6000 count
- 10 functions
- Autorange
- Min/Max/Avg

Fluke 111
- 6000 count
- 12 functions
- Autorange
- Current

Fluke 112
- 6000 count
- 12 functions
- Autorange
- Backlit display
- Current

Sizes shown are for relative comparisons.



P/N 190967CJ $117.95 | P/N 190975CJ $138.95 | P/N 185527CJ $148.95

FLUKE

Fluke 175
- 6000 count
- 12 functions
- Autorange
- Frequency



P/N 192655CJ $198.95

FLUKE

Fluke 177
- 6000 count
- 12 functions
- Autorange
- Frequency



P/N 192663CJ $208.95

FLUKE

Fluke 179
- 6000 count
- 13 functions
- Autorange
- Temperature
- Frequency



P/N 185535CJ $218.95

Wavetek Meterman

Wavetek/MM 37XR
- 10,000 count
- 14 functions
- Inductance
- Autorange
- dB display



P/N 222527CJ $129.49

Wavetek Meterman

Wavetek/MM 38XR
- 10,000 count
- 14 functions/RS232
- Autorange
- Temperature
- Frequency



P/N 222543CJ $149.49

MASTECH

Mastech MY65
- 20,000 count
- 8 functions
- Capacitance



P/N 136590CJ $73.49

JAMECO BenchPro

BP-1415
- 20,000 count
- 8 functions
- Capacitance

A Jameco EXCLUSIVE



P/N 318764CJ $73.49

METEX

Metex M4640A
- 20,000 count
- 12 functions
- 4 displays
- Frequency



P/N 144872CJ $132.95

FLUKE

Fluke 187
- 50,000 count
- 11 functions
- Autorange
- Temperature
- Frequency



P/N 222375CJ $386.95

FLUKE

Fluke 189
- 50,000 count
- 13 functions
- Data logging
- Temperature
- Frequency



P/N 182043CJ $398.95

DMMs continued from pages 224 – 225.

				Basic Measurement Functions											Test Functions				Special Functions							
Jameco Part No.	Manufacturer No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Diode Test	Logic Test	Continuity Test	Transistor h_{FE} Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing 1	Pricing 5
190967CJ	Fluke 110	6000	10	1mV	6 - 600	6 - 600	—	—	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	190967CJ	$117.95	$114.95
190975CJ	Fluke 111	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	190975CJ	138.95	135.95
185527CJ	Fluke 112	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	185527CJ	148.95	144.95
192655CJ	Fluke 175*	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192655CJ	198.95	194.95
192663CJ	Fluke 177*†	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192663CJ	208.95	204.95
185535CJ	Fluke 179*†	6000	13	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	185535CJ	218.95	212.95
222527CJ	Wavetek/MM 37XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	4m - 40		100 - 10M	—	—	✔	✔	✔		✔	✔		✔	7.8 x 3.6 x 2.4	222527CJ	129.49	122.99
222543CJ	Wavetek/MM 38XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	—		100 - 10M	-20 to 1300	-4 to 2372	✔		✔		✔	✔	✔	✔	7.8 x 3.6 x 2.4	222543CJ	149.49	141.99
136590CJ	Mastech MY65	20,000	8	10µV	200m - 1000	2 - 700	2m - 10	2m - 10	200 - 200M	200p - 20µ	—		—	—	—			✔	✔					7.4 x 3.6 x 1.2	136590CJ	73.49	57.25
318764CJ	BenchPro BP-1415	20,000	8	10µV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20µ	—		20k	—	—	✔		✔	✔					7.4 x 3.6 x 1.2	318764CJ	73.49	66.15
144872CJ	Metex M4640A	20,000	12	10µV	200m - 1000	200m - 750	2m - 20	2m - 20	200 - 20M	20n - 200µ	—		20k - 2M	—	—	✔		✔	✔		✔	✔		7.5 x 3.3 x 1.5	144872CJ	132.95	126.35
222375CJ	Fluke 187*	50,000	11	1µV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50µ	—		500 - 999.99k	-200 to 1350	-328 to 2462	✔		✔		✔	✔		✔	8.0 x 3.9 x 2.0	222375CJ	386.95	379.95
182043CJ	Fluke 189*	50,000	13	1µV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50µ	—		500 - 999.99k	-200 to 1350	-328 to 2462	✔		✔		✔	✔		✔	8.0 x 3.9 x 2.0	182043CJ	398.95	389.95
214308CJ	Fluke 80BK temperature probe for Fluke 175/177/179/187/189 (Jameco P/Ns 192655CJ /192663CJ /185535CJ /222375CJ /182043CJ respectively)												Fluke 80BK temperature probe for Fluke 175/177/179/187/189 (Jameco P/Ns 192655CJ /192663CJ /185535CJ /222375CJ /182043CJ respectively)													214308CJ	19.95	19.49

* Temperature probe available — see bottom of chart † with backlight

Pocket Analog Multimeter

SALE

- **DC/AC voltage ranges:** 0 – 500V
- **DC current ranges:** 0 – 250mA
- **Resistance ranges:** 0 – 1kΩ
- Size: 2.3"W x 1.2"D x 3.6"H

Includes: Insulated probes

Requires: 1.5V battery (recommend P/N 198707CJ, pg 194)



Part No.	Description	1	10	50
206287CJ	Pocket multimeter	$7.95	$6.76	$5.07

High Voltage AC/DC Test Probe

- Maximum voltages: DC: 40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC: ±1.5%, AC: ±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Cable length: 39"
- Probe length: 14"
- Weight: 0.8 lbs.



Part No.	Description	1	10
132290CJ	High volt. test probe	$79.95	$72.95

EXTECH

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C, and R with secondary parameter Q, D or R; both are displayed
- **Inductance ranges:** 2000.0uH to 2000.0H
- **Capacitance ranges:** 2000.0pF to 2000.0µF
- **Resistance ranges:** 20.000Ω to 20.000MΩ
- Selectable parallel or series equivalent circuit
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Test frequencies of 120Hz and 1kHz
- Dissipation Factor (D) reading: 0 to 0.9999
- Quality (Q) reading: 0 to 9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.



Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	10
198678CJ	LCR Meter	$178.95	$160.95
189237CJ	9VDC @ 300mA adapter	4.65	3.57

Digital LCR Meter

- 3½-digit display (0.5" digit height)
- **Inductance ranges:** 200µH – 200H
- **Capacitance ranges:** 200pF – 2000µF
- **Resistance ranges:** 2mΩ – 20MΩ
- Dissipation factor measurement
- Size: 3.3"W x 1.4"D x 6.7"H
- Weight: 1.1 lbs.
- One-year warranty

Lower $$$



Includes: Test leads and 9V battery

Part No.	Description	1	10	25
127538CJ	LCR meter	$149.95	$127.46	$96.01

MASTECH

15A AC Line Separator for AC Current Clamp Meters

- Max. overload: 250VAC@15A
- X1 and X10 clamp areas
- Socket compatible with US & European connectors
- Convenient 0.1" dia. tip test points for neutral/earth/line

Quantity SAVE



Part No.	Description	1	10	25
162325CJ	3-prong US-type plug	$11.95	$10.16	$7.62

Mini DC/AC 2000-Count Clamp Meter/Multimeter

- Bright 1/2" LCD
- DATA HOLD
- 0.5" digit height
- Compatible with P/N 162325CJ, below
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.



ACA*	20A, 200A	±1.2% + 5d
DCA	200A	±1.2% + 5d
ACV*	500V	±1.0% + 2d
DCV	200V	±0.8% + 1d
Resistance	200Ω	±1.2% + 1d
*Frequency Response	40-400Hz	
Zero Adjust	External knob for DCA	

Requires: 9V battery not included (P/N 151095CJ, pg 194)

Includes: Test leads, manual and case

Part No.	Description	1	10
115756CJ	Mini DC/AC clamp meter	$119.95	$107.95

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Description	1	10	25
162309CJ	Current shunt	$24.95	$22.49	$19.95

EXTECH

400A AC/DC Clamp Meters/Multimeters

- Auto ranging with auto power-off
- Continuity beeper and diode test
- Data hold freezes current reading on display
- Over range and low battery indicators
- 0.9" (23mm) jaw size
- Overload protection
- Size: 7.9"L x 2.0"W x 1.4"D

Includes: Test leads, case, and 2 AAA batteries

373991 (MA200):
- 2000 count LCD display
- Measure AC current, DCV, ACV, and resistance
- **AC current ranges:** 2A–400A; 0.001A max. resolution
- Basic current accuracy: ±2.5%
- **DC/AC voltage ranges:** 200mV – 600V; 0.1mV max. resolution
- Basic voltage accuracy: AC: ±1.5%; DC: ±1.2%
- **Resistance:** 200Ω – 20MΩ; 0.1Ω max. resolution

374070 (MA220):
- 4000 count LCD display
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- **AC/DC current ranges:** 40A–400A; 0.01A max. resolution
- **DC/AC volt. ranges:** 400mV–600V; 0.1mV max. resolution
- **Resistance:** 400Ω–40MΩ; 0.1Ω resolution
- **Frequency ranges:** 5Hz–150kHz; 0.001Hz max. resolution
- **Capacitance ranges:** 40nF–1000µF; 0.01nF max. resolution
- **Duty cycle:** 0.5%–0.99%; 0.1% max. resolution
- **Temp. ranges:** -58˚ to +1830˚F (-50˚ to +1000˚C); 1˚ max. resolution
- Basic current accuracy: AC: ±3.0%; DC: ±2.5%
- Basic voltage accuracy: AC: ±2.0%; DC: ±1.5%
- One touch "Auto Zero"

NEW



373991CJ



374070CJ

Part No.	Product No.	Description	1	5
373991CJ	MA200	400A AC current clamp meter/multimeter	$36.95	$35.10
374070CJ	MA220	400A AC/DC current clamp meter/multimeter	74.95	71.20

Test/Tools

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

4000-Count True-RMS Benchtop Multimeter with RS-232



- 9 functions, 32 ranges
- 3¾-digit backlit LCD display with bargraph
- Auto/manual ranging
- True RMS AC volts and amps
- Resolution: 100µV maximum
- **DC voltage ranges:** 400mV – 1000V (0.3% accuracy)
- **AC voltage ranges:** 4V – 750V
- **DC/AC current ranges:** 4mA – 10A
- **Resistance ranges:** 400Ω – 40MΩ
- **Capacitance ranges:** 4nF – 40µF
- **Frequency ranges:** 100Hz – 600kHz
- Diode and continuity test • Delay hold mode
- Min., max., and relative hold function
- Input voltage: 9V battery or 90-132VAC/ 198-264VAC @ 50-60Hz
- Size: 9.0"W x 9.4"D x 3.3"H
- Weight: 3.3 lbs. • Two-year warranty

Includes: Manual, test leads, power adapter, 9V battery, RS-232 cable and software (98/ME/2000/XP compatible)

Part No.	Product No.	1	5
230586CJ	B940	$148.95	$141.55

2000-Count Multimeter

The Fluke 8012A is a portable, bench-type, digital multimeter with 3½ digit liquid crystal display (LCD).



- Resolution: 100µV maximum
- **DC voltage ranges:** 200mV – 1000V
- **AC voltage ranges:** 200mV – 700V
- **DC/AC current ranges:** 20µA – 2A
- **Resistance ranges:** 2Ω – 20Ω (low range) 200Ω – 20MΩ
- **Conductance ranges:** 2µS – 200nS
- Size: 7.5"W x 9.6"D x 2.5"H • Weight: 2.6 lbs.

✥ Refurbished = Backed by Jameco

Part No.	Product No.	Price
203801CJ	8012A ✥	$199.95

20,000-Count True-RMS Benchtop Multimeter



- 4½-digit green LCD
- DC accuracy: 0.05%
- Full overload protection
- Resolution: 10µV max.
- **DC voltage ranges:** 200mV – 1000V
- **AC voltage ranges:** 200mV – 750V
- **DC/AC current ranges:** 2mA – 10A
- **Resistance ranges:** 200Ω – 20MΩ
- **Frequency** measurement up to 200kHz
- Continuity check with beeper
- Data hold, diode check, transistor h_{FE} measurement available
- Size: 9.9"L x 9.8"W x 3.6"H • Weight: 6.1 lbs.
- One-year manufacturer's warranty

Part No.	Product No.	1	10	25
132564CJ	DM441	$269.95	$256.49	$243.49

20,000-Count Benchtop Multimeter w/ RS-232, Analog Bar & 4 Displays



- Automatic polarity indicator
- 1-2 readings/second
- DC accuracy: 0.1% +5 digits
- 10 reading storage and compare
- Resolution: 10µV max.
- **DC voltage ranges:** 200mV – 1000V
- **AC voltage ranges:** 200mV – 750V
- **DC/AC current ranges:** 2mA – 20A
- **Resistance ranges:** 200Ω – 20MΩ
- **Frequency ranges:** 20kHz – 20MHz
- Min., max., average, relative functions
- Logic, diode, transistor h_{FE} and continuity test
- Size: 11.2"L x 8.2"W x 3.2"H • Weight: 7.5 lbs.

Includes: Manual, power cable, probes and software

Part No.	Product No.	1	10
166852CJ	MXD4660A	$249.95	$224.95

Handheld 2MHz Digital Oscilloscope with 3½-Digit Multimeter



- 10MHz for repetitive signals; 2MHz for single shot events
- Input impedance: 1MΩ/20pF
- Max. input voltage: 100V peak (AC + DC)
- Input coupling: DC, AC, and GND (GND for auto zero reference)
- LCD graphics display: 64 x 128 pixels
- Vertical resolution: 8-bit
- Timebase range: 0.2µs to 1 hr./div
- Input sensitivity: 5mV to 20V/div
- Linearity: ±1 bit
- Screen hold
- Trigger mode: run, normal,once, and ± slope
- True RMS and dB measurements
- High contrast LCD display with 3.3" viewing angle
- Recommend 9VDC @ 300mA power supply (133891CJ, pg 186) • Weight: 1.0 lb.
- Batteries not included (recommend 151087CJ, pg 194)

Includes: DVM850 multimeter (below) and insulated BNC-to-alligator clip measurement probes



355207CJ (DVM850) can be purchased separately, pg 225

Multimeter:

- 6-functions
- 3½ digit w backlight, 2000 count
- Data hold function
- **DC voltage ranges:** 200mV to 100V
- **AC voltage ranges:** 200/600
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Free DMM!

Part No.	Description	1	5
355485CJ	2MHz Oscilloscope w/ DMM (HPS10 + DVM850)	$194.95	$185.25

Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipment.

Handheld 5MHz Digital Oscilloscope w/ True-RMS Multimeter



- 5MHz bandwidth; 25MS/s sampling rate
- Auto power off
- RS-232 PC interface
- 160 x 160 pixel graphical display with backlight
- Vertical sensitivity: 10mV – 200V per div. (14 div.)
- Single channel with 1MΩ impedance
- 4000-count dual display with analog bargraph
- Resolution: 100uV maximum
- **DC voltage ranges:** 400mV to 1000V
- **AC voltage ranges:** 400mV to 700V
- **DC/AC current ranges:** 400mA to 20A
- **Resistance ranges:** 400Ω to 40MΩ
- **Capacitance ranges:** 40nF to 100µF
- **Frequency ranges:** 1Hz to 5MHz
- DBm, diode and continuity test
- Max/Min/Average w/ sampling rate & graphical plot
- Size: 4.2"W x 2.2" D x 8.3"H • Weight: 1.8 lbs.

Includes: Protective holster, built-in stand, Windows® 95–XP compatible software, RS-232 cable, 6 AA batteries, fuse, test leads, and alligator clips

Part No.	Product No.	1	5
245930CJ	381285	$398.95	$378.95

Handheld 5MHz Oscilloscope with 4000-Count Digital Multimeter



221962CJ

- 128 x 128 pixel graphic STN LCD
- E/L backlight
- PC interface via RS-232
- Memory and recall for 4 values
- Temperature measurement

Oscilloscope:

- DC-5MHz bandwidth; 20MS/sec. sampling rate; single channel
- Vertical axis: 3 steps (±0.5/5/50 volts) with 4 divisions
- Horizontal axis: 16 steps (800ns/div to 26.2ms/div) in 8 divisions
- Trigger: auto and internal mode, slope and 5 trigger level selectable
- Text display for peak to peak, min./max. voltage and frequency

Digital Multimeter:

- 3¾-digit with 43 segment bargraph
- Auto ranging; triple display for related reading; data and range hold; auto/min/max hold and relative offset
- **DC voltage ranges:** 400mV – 1000V
- **AC voltage ranges:** 4V – 750V
- **DC/AC current ranges:** 400uA – 400mA
- **Resistance ranges:** 400Ω – 40MΩ
- **Frequency ranges:** 4kHz – 4MHz
- **Temperature ranges:** -40˚C – +1200˚C
- **Capacitance ranges:** 4nF – 400µF
- Diode and continuity
- Size (unit): 3.4"W x 1.5"D x 8.0"H
- Weight: 3.9 lbs.

SALE

Includes: Manual, power adapter and test leads

Part No.	Description	1	5
221962CJ	MS-1280	$329.95	$313.49
221938CJ	RS-232 cable & software	19.95	15.25
221946CJ	Scope probe	24.95	23.69
221954CJ	Holster	~~$4.95~~ 3.95	3.75

Detailed specifications for Oscilloscopes
www.Jameco.com/scope

Handheld 12MHz Digital Oscilloscope w/ 3½-Digit DMM



- 40MS/s for repetitive signals (10MS/s for single shot events)
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200V peak-peak (AC only)
- Input coupling: DC, AC and GND
- LCD graphics display: 112 x 92 pixels
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 32 steps; 50ns to 1hr./div
- Input sensitivity range: 12 steps; 5mV to 20V/div
- True RMS and dB measurements
- Trigger mode: run, normal, once, and roll modes
- High contrast LCD display
- Recommend 9VDC @ 300mA wall adapter (P/N 133891CJ, pg 186)
- Batteries not included (recommend 151087CJ, pg 194)
- Size: 8.0"H x 4.1"W x 1.4"D
- Weight: 1.0 lb.

Includes: DVM850 DMM & probes

Multimeter:

- 6-functions
- 3½-digit w/ backlight, 2000 count
- Data hold function
- **DC voltage ranges:** 200mV to 100V
- **AC voltage ranges:** 200/600V
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor, and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H



355207CJ (DVM850) can be purchased separately, pg 225

Free DMM!

Part No.	Description	1	5
373157CJ	12MHz Oscilloscope with DMM (HPS40 + DVM850)	$373.95	$355.30

Handheld 20MHz Digital Oscilloscope & Multimeter



162430CJ

- 4-in-1: digital oscilloscope, DMM, frequency counter & logic analyzer
- **Oscilloscope**: 2-channel input, 5mV-2V/div; DC-20MHz(-3dB); 50ns - 0.5us/div; 20 MS/s sampling rate
- **Logic analyzer:** 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width
- **Digital multimeter:** 3¾-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current 40µA-400mA; DC current 400µA-400mA; resistance 400Ω-40MΩ; continuity & diode testing
- **Frequency counter:** 5Hz-20MHz; 5 digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; 35Vrms/42V-P/60VDC max. input
- Oscilloscope probes: Use P/N 22891CJ or 216047CJ, pg 231 • One-year warranty
- Battery required for portable use (see below)
- Size: 10.0"L x 5.0"W x 2.0"H • Weight: 9.2 lbs.

Includes: Manual, 5VDC @ 3A power supply, power cord, DMM test leads, holster and case

Part No.	Description	1	5
162430CJ	20MHz digital scope	$799.95	$759.95
162974CJ	Logic probe	59.95	53.95
163141CJ	Rechargeable battery	45.95	41.49
162966CJ	RS-232 cable & software	26.95	24.25
221946CJ	Scope probe	24.95	23.69

30MHz 2-Channel Digital Oscilloscope w/ 3½-Digit DMM



- 240MS/s for repetitive signals, 60MS/s for single shot events
- 2 channels
- Input impedance: 1MΩ / 20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200Vp-p (AC only)
- Input coupling: DC, AC, and GND
- LCD graphic display: 128 x 192 pixels w/ LED backlight
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 35 steps; 25ns to 1hr./div
- Input sensitivity: 14 steps; 1mV to 20V/div
- Trigger mode: run, normal, once, and roll modes
- True RMS and dB measurements
- Recommend 9VDC @ 500mA regulated power supply (228890CJ, pg 184)
- 6V @ 1800mA NiMH rechargeable battery pack included
- Size: 9.0"H x 5.9"W x 1.7"D
- Weight: 1.9 lbs.

Includes: DVM850 DMM & probes

Multimeter:

- 6-functions
- 3½-digit w/ backlight, 2000 count
- Data hold function
- **DC voltage ranges:** 200mV to 100V
- **AC voltage ranges:** 200/600V
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 20MΩ
- Diode, transistor, and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H



355207CJ (DVM850) can be purchased separately, pg 225

Free DMM!

Part No.	Description	1	5
373165CJ	30MHz Oscilloscope w/ DMM (APS230 + DVM850)	$738.95	$702.05

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder



- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel Port Interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V (AC and DC)
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576CJ, pg 186)

Oscilloscope:

- Timebase: 20ns–100ms per division
- Input sensitivity: 5mV–15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer:

- Frequency range: 0 to 25MHz

Transient Recorder:

- Time scale: 20ms/div–2000s/div
- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 test leads, PC parallel cable, manual and CD-ROM software

Part No.	Product No.	1	5
200184CJ	PCS500AU	$478.95	$429.95

Fluke 199C 200MHz Scope-Meter with 5000-Count DMM

Color Display



222383CJ

With 200MHz bandwidth, 2.5 GS/s real-time sampling and a deep memory of 27,500 points per input, this scope is ideal for engineers who need the full capabilities of a high-performance oscilloscope in a handheld, battery-powered instrument.

- Dual-input – 200MHz bandwidth
- Up to 2.5 GS/s real-time sampling per input
- Connect-and-View™ automatic triggering and a full range of manual trigger modes
- Digital Persistence for analyzing complex dynamic waveforms like on an analog scope
- Fast display update rate for seeing dynamic behavior instantaneously
- Automatic capture and replay of 100 screens
- 27,500 points per input record length using ScopeRecord mode • TrendPlot paperless chart recorder for trend analysis up to 22 days
- Up to 1000V independently floating isolated inputs
- Waveform reference for visual comparisons and automatic pass/fail testing of waveforms
- Vpwm function for motor drive and frequency inverter applications
- 1000 V CAT II and 600 V CAT III safety certified
- Four-hour rechargeable NiMH battery pack

Includes: Test leads, probes and manual

Part No.	Product No.	1	5
222383CJ	Fluke-199C: 200MHz	$2,949.95	$2,899.95

150MHz 2-Ch Digital Oscilloscope

Color and Monochrome with RS-232/USB/ Parallel Interfaces



- Bandwidth (-3dB): 150MHz
- Real-time sample rate: 100MS/s maximum on each channel; equivalent: 25GS/s
- 2 channels with 8-bit vertical resolution
- Record length 125k/CH
- FFT function
- Auto set vertical, horizontal, and trigger level
- 15 memory settings
- Vertical sensitivity: 2mV/div – 5V/div
- Time base range: 1nS/div – 10S/div
- Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV; 25MHz – 150MHz: 1.5div or 10mV
- Input voltage: 100-240VAC @ 50-60Hz
- Frequency counter: 6 digits ±50ppm; AC coupled, 10Hz – 150MHz • Two-year warranty
- Size: 12.2"W x 10.0"D x 5.6"H • Weight: 9.3 lbs.

229358CJ: Monoch. w/ RS-232/USB/parallel interface
229366CJ: Color with RS-232/USB/parallel interface

Includes: BNC cable, power cord & operations manual

Part No.	Product No.	1	5
229358CJ	GDS-820S	$1,259.95	$1,196.95
229366CJ	GDS-820C	1,439.95	1,367.95

DMMs on Pages 224-227

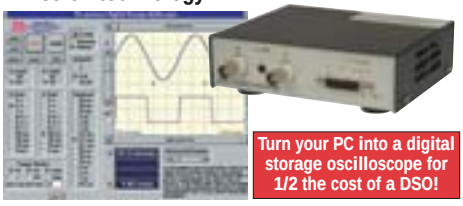
FLUKE MASTECH EXTECH INSTRUMENTS Wavetek Meterman METEX®

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

PC-MultiScope 20MHz 2-Channel Digital Oscilloscope

mission technology



- 100MHz sampling; dual channel
- Chart recorder and FFT mode
- 5mV to 5V per div.; 20MHz bandwidth; ext. trigger
- 0-4MHz sine and square wave signal generator
- Triple power supply; 5VDC @ 500mA and ±0-8VDC @ 250mA • One-year warranty
- Size: 4.3"L x 5.0"W x 1.5"H • Weight: 3.8 lbs.

Includes: Parallel port cable, AC adapter, alligator clip probe, Windows® 3.1/95/98 software

Part No.	Description	1	10
163230CJ	PC-MultiScope 3	$579.95	$529.95

20MHz 2-Channel Analog Oscilloscope

EZ DIGITAL

Blue CRT for higher resolution!



- 6" rectangular high-resolution blue CRT with internal graticule & scale
- Vertical deflection: 5mV/div to 5V/div in 10 calibrated steps
- Horizontal deflection: 0.2µs/div to 0.2s/div in 19 calibrated steps, 1-2-5 sequence
- Max. signal input voltage: 250V (DC and peak AC)
- ADD function measures sum of two signals
- Input voltage: 98-125VAC @ 1A, 198-225VAC @ 0.5A, 50-60Hz, 45W
- Two-year manufacturer's warranty
- Size: 16.4"L x 12.6"W x 5.3"H • Weight: 20.8 lbs.

Includes: Two (X1/X10) 40MHz probes, power cord, manual, and block diagram

Part No.	Product No.	1	5
136098CJ	OS5020	$399.95	$385.95

20MHz 2-Channel Analog Oscilloscope with 1MHz Function Generator



- Basic specs same as OS5020 (above)

Function generator

- Frequency range: 0.1Hz to 1MHz (7 ranges)
- Output waveforms: sine, triangle, square, TTL pulse
- Output impedance: 50Ω
- Output voltage: 14Vp-p
- Size: 12.6"L x 12.6"W x 6.8"H • Weight: 23.8 lbs.
- Two-year manufacturer's warranty

EZ DIGITAL

Includes: Two X1/X10 40MHz probes, power cord, manual, BNC to alligator, and cable

Part No.	Product No.	1	10
94650CJ	OS5020G	$529.95	$499.95

20MHz 2-Channel Analog Oscilloscope with Built-in Component Checker



- 6" rectangular CRT with internal graticule
- Built-in component checker/tester for resistors, capacitors, coils, diodes
- Vertical sensitivity: 5mV/div to 20V/div in 12 calibrated steps (1-2-5 sequence)
- Input impedance: 1MΩ, 20pF
- Max. input (vertical amplifier): 300VDC or AC peak
- Horizontal sweep time: 0.2µs/div to 0.5s/div in 20 calibrated steps (1-2-5 sequence)
- Internal trigger sensitivity: 20Hz to 20MHz
- Size: 17"L x 14"W x 5.75"H • Weight: 15.5 lbs.

Protek

Includes: Two X1/X10 60MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
201857CJ	P-3502C	$394.95	$375.19

20MHz 2-Channel Analog Oscilloscope with Alt-Mag and 1mV/div Sensitivity



SALE

Protek

- Large 6" CRT with internal graticule
- Alt-Mag sweep for simultaneous displays of the main and X5 magnified trace
- Auto-focus
- Input voltage: 100V, 120V, 220V, 240V @ 50-60Hz (selectable)
- Size: 14.8"L x 13.4"W x 5.5"H • Weight: 24 lbs.

Vertical Amplifier

- Sensitivity – 1mV/div to 1V/div (X5 Mag); 5mV/div to 5V/div in 10 steps (1-2-5 seq.)
- Bandwidth: (-3dB): DC to 20MHz
- Input impedance: 1M ohms, 25pF
- Maximum input voltage: 400V (DC or AC peak)

Horizontal Sweep

- Sweep time: 0.1uS/div to 0.2S/div in 20 steps (1-2-5 seq); X5 mag: 20nS/div to 40mS/div

Triggering

- Sensitivity: Internal – DC to 2MHz: 2 divisions; 2MHz to 20MHz: 3 divisions

Includes: X1 and X10 probes, power cord & manual

Part No.	Product No.	1	5
220679CJ	PROTEK 6502	$429.95	$408.45

100MHz 2-Channel Analog Oscilloscope

EZ DIGITAL



- 2-channel dual trace
- Delay line
- Auto focusing according to intensity
- Size: 16.9"L x 12.6"W x 5.5"H
- Weight: 22.8 lbs.
- Two-year warranty

Includes: Two (X1/X10) 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
121179CJ	OS5100	$999.95	$964.95

100MHz Delayed Sweep Analog Oscilloscope w/ Frequency Counter

2 Channel, 4 Trace



EZ DIGITAL

- DC to 100MHz bandwidth
- 6" rectangular CRT with internal graticule
- Auto set, readout cursor, delay sweep, hold-off functions
- Z-axis intensity modulation: DC to 2MHz bandwidth; 30VDC + peak AC max. input voltage
- Vertical deflection factor: 2mV/div to 5V/div
- Horizontal time base A/B deflection: 5ns/div to 0.5s/div in 22 calibrated steps
- Input coupling: AC, GND, DC
- Rise time: 3.5ns or less • Weight: 17.6 lbs.

Includes: Two X1/X10 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
190932CJ	OS5100RB	$1,199.95	$1,139.95

Modular Oscilloscope Probes



22891CJ 216047CJ 236777CJ

- Hook and pointed probes
- **216047CJ/236777CJ**: with IC test ground cover and spring ground contact
- Length: 5'
- Alligator clip ground wire
- BNC male connector
- Maximum input voltage: 600V

Part No.	Bandwidth (±3dB) Attenuation x1	Bandwidth (±3dB) Attenuation x10	Impedance (R/C)* Attenuation x1	Impedance (R/C)* Attenuation x10
22891CJ	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047CJ	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777CJ	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Mfr. Cross Ref. No.	1	10	50
22891CJ	LF101E	$24.95	$22.46	$20.21
216047CJ	HF-9100	34.95	29.95	26.95
236777CJ	HP-9250	45.95	43.39	37.25

PROBE MASTER Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.



174473CJ

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

174473CJ: 7-piece kit
212257CJ: 25-piece kit

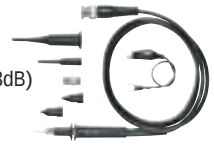


212257CJ

Part No.	Product No.	1	10
174473CJ	4901-02 (150MHz)	$49.95	$44.99
212257CJ	4915A (250MHz)	149.95	142.49

Detailed specifications for Oscilloscopes @ www.Jameco.com/scope

Pomona® 100MHz Probe Set



- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (-3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10~60pF • 48" cable

Part No.	Product No.	Description	1	10
156451CJ	4550B	Probe kit	$51.95	$46.95

17MHz Logic Probe



- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Input impedance: 1MΩ
- Pulse flash time: 500ms
- Audible tones for high and low
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
149930CJ	Logic probe	$29.95	$26.99	$24.29

Logic Pulser



- Compatible with TTL, DTL and CMOS ICs
- 1MΩ sync input impedance
- "One shot" or continuous 5Hz train pulse
- Pulse repetition rate: 0.5pps/400pps
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- Size: 7.8"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
24601CJ	Logic pulser	$21.95	$19.76	$17.78

100MHz Logic Analyzer USB Interface



DigiView™ is a new 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.



- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution

Part No.	Description	1	5
256866CJ	USB logic analyzer	$498.95	$474.09
256874CJ	Cable replacement	29.95	28.49
256882CJ	Grabber clip set (10)	29.95	28.49

1.5GHz Frequency Counter

2 Channels



- Input voltage: 115/230VAC @ 50-60Hz (switchable)
- Gate time: 0.01s, 0.1s, 1s, 10s
- 9-digit green LED display
- Frequency range: 0.1Hz to 150MHz (A input); 50MHz to 1.5GHz (B input)
- Resolution: 0.1nHz to 10Hz (A input); 0.1Hz to 100kHz (B input)
- Frequency, period, totalize, RPM
- Size: 10.3"L x 10.0"W x 3.2"H • Weight: 5.3 lbs.
- One-year warranty

Includes: Fuse, manual and BNC cable

Part No.	Product No.	1	5
55790CJ	FC-7150	$284.95	$259.95

2MHz Sweep Function Generator with Frequency Counter



- Frequency range: 0.02Hz–2MHz in 7 ranges
- Sweep width: 1:1 to 100:1; rate: 20ms to 25s (.5Hz-50Hz)
- Output impedance: 50Ω ±5%
- Frequency counter range: 0.2Hz to 50MHz
- Maximum input voltage: 150VRMS @ 1kHz
- Input voltage: 115/230VAC @ 50-60Hz (switchable)
- Size: 10.3"L x 10.0"W x 3.2"H
- Weight: 5.8 lbs. • One-year warranty

Includes: Probe and detachable power cord

Part No.	Product No.	1	5
94676CJ	FG7002C	$329.95	$296.95

2MHz & 10MHz Sweep Function Generators w/ Frequency Counter



Function Generator

- Wave forms: sine, square, triangle, skewed, ramp, pulse & TTL level square
- Frequency: 2Hz to 2MHz in 7 ranges (192671CJ); 1Hz to 10MHz (221911CJ)
- Output amplitude: 2 to 20Vpp at open load; 1 to 10Vpp at 50Ω load
- Output impedance: 50Ω ±10%
- Offset variable range (max.): ±10VDC at open load
- Frequency sweep time: 20ms to 2s

Frequency Counter

- Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz
- Input sensitivity: channel A: 20mVRMS sinewave or 100mVp-p; channel B: 40mVRMS for 20MHz to 1.3GHz; 70mVrms for 1.3GHz to 2.7GHz
- Maximum input voltage: channel A: 35Vp-p; channel B: 3Vp-p
- Input impedance: channel A, 1MΩ; channel B, 50Ω
- Data logging and graphic software
- Size: 11.0"L x 8.2"W x 3.7"H • Weight: 13.4 lbs.

Includes: Coax and power cable, manual, serial cable and software

Part No.	Description	1	5
192671CJ	2MHz/2.7GHz	$319.95	$255.96
221911CJ	10MHz/2.7GHz	417.95	396.99

2MHz & 3MHz Function Generators w/ Frequency Counter



Function Generator

- Wave forms: sine, triangle, square, TTL, and CMOS output; 229260CJ has ramp
- Frequency ranges: **229251CJ:** 0.2Hz – 2MHz in 7 ranges; **229260CJ:** 0.3Hz – 3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to > +5V into 50Ω load
- Voltage controlled frequency function
- Variable DC offset control



Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs. • Two-year warranty

229251CJ:

- 4-digit LCD display
- Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz
- Size: 9.1"W x 11.0"D x 3.7"H

229260CJ:

- 6-digit LCD display
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz
- Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Product No.	Description	1	5
229251CJ	GFG-8020H	2MHz	$259.95	$246.95
229260CJ	GFG-8216A	3MHz	279.95	251.99

METEX® 4-in-1 Universal System

With Function Generator, Universal Counter, DC Power Supply & Digital Multimeter



Less Bench Space – Great Convenience

- **Function generator** capable of generating seven forms of waves (sine, square, triangle, skewed sine, ramp, pulse, and TTL square wave) in seven frequency ranges from 0.2Hz to 2MHz
- **Universal counter** capable of measuring frequency ranges from 5Hz to 1.3GHz
- **DC power supply** capable of generating 5V @ 2A, 15V @ 1A fixed and 0 to 30V @ 0 to 2A variable
- **Digital multimeter** with ranges of: DC voltage (400mV to 100V), AC voltage (400mV to 750V), DC/AC current (40mA to 20A), resistance (400Ω to 40MΩ), capacitance (4nF to 400µF) and forward resistance of a semiconductor junction in kΩ
- Size: 14.5"W x 14.0"D x 7.0"H
- Weight: 37 lbs. • One-year warranty

Includes: Manual, cables and software

Part No.	Product No.	1	5
160864CJ	MS9150	$549.95	$499.95

Detailed specifications for Function Generators
www.Jameco.com/function

2MHz Function Generator



- Frequency range: 0.02Hz to 2MHz
- Waveforms: sine, triangle, square, ramp, TTL pulse, skewed sine
- DC offset voltage from 0 to ±10V; can be superimposed to output waveform
- Variable waveform/duty cycle symmetry
- Output volt.: 20Vp-p (open circuit), 10Vp-p (into 50Ω)
- Input voltage: 110V/220V 50-60Hz
- Size: 10.0"L x 8.0"W x 3.0"H • Weight: 5.4 lbs.
- One-year manufacturer's warranty

Includes: Cord, BNC to clip cable, fuse and manual

Part No.	Product No.	1	5	10
66069CJ	FG8002	$189.95	$179.95	$169.95

3MHz Function Generator



- Square, triangle, and sine waves; TTL and CMOS pulse outputs
- Frequency: 0.3Hz to 3MHz in 7 ranges
- Output impedance: 50Ω ±10%
- CMOS output level: 4Vpp, ±1Vpp to 14.5Vpp; ±0.5Vpp adjustable
- DC offset: <-5V to >+5V into 50Ω load
- Variable controlled frequency input
- Variable DC offset control
- Signal polarity invert button • Duty cycle control
- Size: 9.6"W x 11.5"D x 3.7"H • Weight: 4.4 lbs.

Part No.	Product No.	1	5
222594CJ	FG2C	$239.95	$234.95

5MHz Function Generator

Engineered for high reliability and user convenience.



- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs. • Two-year warranty

Part No.	Prod. No.	Description	1	5
160469CJ	BK4011A	0.5 to 5MHz	$314.95	$299.95

200W Programmable Switching Power Supplies with PC Interface



- Voltage regulation: ≤10mV load; ≤0.05% line
- Current regulation: ≤5mA load; ≤0.05% line
- Output ON/OFF control
- Ripple: ≤20mV$_{RMS}$; ≤10mA$_{RMS}$
- Over-voltage/over-current/ over-power/over-temperature protection
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H
- Weight: 8.8 lbs. • Two-year warranty

Includes: Power cord, operations manual & test leads

Part No.	Product No.	Description	1	5
229323CJ	PSP-2010	0-20V @ 0-10A	$349.95	$332.45
229294CJ	PSP-603	0-60V @ 0-3.5A	349.95	332.45

30-Watt Digital Benchtop Power Supply



- Single output with adjustable 1.5VDC to 30VDC
- Input voltage: 85-264VAC @ 47-63Hz
- Large digit backlit display
- Overload and short-circuit protection
- Compact design
- Output terminals
- 1A fixed current output
- Size: 5.5"L x 5.2"W x 1.6"H

Part No.	Product No.	Displays	Power	Wt. (lbs.)	1	10
301971CJ	PSU130	Single digital	30 watts	1.2	$79.95	$75.95

45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 110/220 ±10% VAC

Analog display power supplies • Accuracy: 2.5%
Digital display power supplies
- Voltage accuracy: 1% + 2 digits
- Current accuracy: 1.5% + 2 digits

Quantity SAVE


301920CJ


207618CJ


207706CJ


211692CJ

Single Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920CJ	HY1503C	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	$99.95	$94.95
301866CJ	HY3003D	2-Digital	90	30/3	5.4 x 6.2 x 11.5	10	179.95	170.95
207618CJ	HY3005C	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	159.95	144.95
207626CJ	HY3010C	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	299.95	239.96
207693CJ	HY5002	2-Digital	100	50/2	5.4 x 6.2 x 11.5	13	189.95	142.46
301911CJ	HY3005D	2-Digital	150	30/5	5.4 x 6.2 x 11.5	13	224.95	213.70
207706CJ	HY5003	2-Digital	150	50/3	5.4 x 6.2 x 11.5	13	249.95	190.00
207600CJ	HY5005	2-Digital	250	50/5	10.4 x 6.5 x 14.4	17	299.95	239.96
207634CJ	HY3010	2-Digital	300	30/10	10.4 x 6.5 x 14.4	31	399.95	305.00
207685CJ	HY3020	2-Digital	600	30/20	10.4 x 6.5 x 14.4	42	499.95	449.95

Multiple Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211721CJ	HY3002-2	2-Digital	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	$249.95	$194.00
211705CJ	HY3002D-2	4-Digital	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	269.95	215.96
211692CJ	HY3003D-2	4-Digital	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	289.95	259.95
211730CJ	HY3003-2	2-Digital	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	299.95	230.00
211713CJ	HY3003-3	2-Digital	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	319.95	287.95
211684CJ	HY3003D-3	4-Digital	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	329.95	296.95
301946CJ	HY3005D	4-Digital	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	349.95	332.45
301954CJ	HY3005D-3	4-Digital	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	369.95	351.45
301962CJ	HY5003-2	2-Digital	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	322.95

Analog Power Supplies

150 to 225-Watt


175265CJ


175257CJ


175249CJ

- Color-coded adjustment knob and output terminals for voltage
- Voltage and current panel meter
- Cigarette lighter plug for current output
- LED indicator for power and warning
- Constant voltage operation • Built-in fan

175265CJ:15VDC @ 10A
- Output current: 15A max.
- Over-voltage, over-current, short-circuit protection • Input voltage: 110VAC @ 60Hz

175257CJ: 15VDC @ 15A
- Output current: 25A max. (22A continuous @ 13.8VDC)
- Over-voltage protection @ 16.5V • Short-circuit protection @ 27.5A
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)

Part No.	Mfr. Cross Ref. No.	Output Voltage	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
175265CJ	DPS150A	2-15VDC	5.7 x 6.2 x 4.0	12.0	$149.95	$134.95	$129.95
175257CJ	SPS250A	9-15VDC	5.6 x 6.2 x 4.0	3.8	159.95	143.95	129.56

250-Watt

- Color-coded adjustment knob & output terminals • Adjustable voltage/current outputs • 5A @ 250V fuse
- Input voltage: 110VAC @ 50-60Hz • Constant voltage & current operation • Isolated ground

Part No.	Mfr. Cross Ref. No.	Output Voltage	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
175249CJ	DPS5050	0-50VDC	4.9 x 7.7 x 6.7	13.8	$189.95	$179.95	$171.49

90-Watt Digital DC Power Supply

30VDC @ 3A



- Constant current and constant voltage operation
- Can be used for positive or negative source
- Overload protection circuit
- Input voltage: 100/240VAC @ 50-60Hz
- Size: 5.2"W x 5.6"H x 10.0"D
- Weight: 10.9 lbs.
- One-year warranty

EZ DIGITAL

Part No.	Product No.	1	10
121152CJ	GP4303D	$189.95	$179.95

100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

EXTECH INSTRUMENTS



197991CJ



197982CJ

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 – 30V voltage and 0 – 3A current outputs
- Displays of both voltage and current
- Constant voltage or current
- Current limiting indicator
- Overload and short circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H • Weight: 10.0 lbs.

Part No.	Description	1	10
197991CJ	Digital DC	$198.95	$178.95
197982CJ	Analog DC	168.95	151.95

150-Watt Digital Power Supply

30VDC @ 5A



- Adjustable voltage/current outputs • 2A @ 250V fuse
- Constant voltage and current operation • Dual digital display
- LCD displays for both current and voltage
- Coarse/fine adjustment knobs for current and voltage
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Color-coded terminals for positive, negative and ground connections
- Size: 5.4"W x 10.7"D x 6.0"H
- Weight: 13.8 lbs. • One-year warranty

Part No.	Description	1	10	25
153242CJ	30VDC @ 5A	$234.95	$211.49	$190.35

150-Watt Power Supply

50VDC @ 3A



- Adjustable voltage/current outputs
- Constant voltage & current operation
- Color-coded terminals for ground, positive and negative terminals
- 3A @ 115V fuse
- Color-coded adjustment knobs for voltage, current and fine adjustment
- Input voltage: 110VAC @ 60Hz
- Color: dark gray • Weight: 12.3 lbs.
- Size: 9.0"L x 4.75"W x 7.5"H • One-year warranty

Part No.	Description	1	10	25
163723CJ	50VDC @ 3A	$143.95	$136.75	$129.89

Pocket IR Thermometer with Laser Pointer



The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment. In-process temperature measurements. With a 6:1 ratio field of view and built-in laser for improved aim, it covers 90% of surface applications for temperature measurement.

EXTECH INSTRUMENTS

- Temperature range: -58˚F to 518˚F (-50˚C to 270˚C)
- Built-in laser pointer to improve aim
- ˚F/˚C switchable
- Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- 6:1 field of view • Pocket size meter
- Data hold and max hold
- Size: 3.8"L x 2.0"W x 0.9"D

Best Seller!

Includes: 2 AA batteries

Part No.	Description	1	5
219361CJ	Pocket IR thermometer	$59.99	$56.99

Non-Contact Infrared Thermometers w/ Laser Pointer

- Built-in laser pointer identifies target area
- Field of view: 6:1 (6" distance measures 1" target)
- Automatic data hold when trigger released and auto power off
- Fixed 0.95 emissivity covers 90% of surface application

Includes: 9V battery

236451CJ:

EXTECH INSTRUMENTS



236451CJ

- Temperature range: -4˚F to 500˚F (-20˚C to 260˚C)
- Basic accuracy: ±3% of reading
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Size: 6.7"L x 1.7"W x 1.6"D

211588CJ:



211588CJ

- Temperature range: 0˚F to 600˚F (-20˚C to 320˚C)
- Basic accuracy: ±2% of reading
- 2000-count backlit LCD display
- Audible and visible over-range indicators
- Size: 8.3"L x 3.5"W x 1.5"D

Part No.	Product No.	1	10
236451CJ	42500	$79.95	$74.95
211588CJ	42529	88.95	84.50

Digital Compass and Stopwatch

Find your way with this digital compass and stopwatch combo.

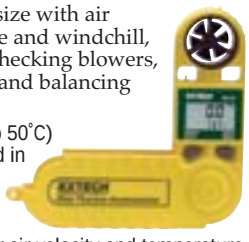


SALE

This amazing digital compass will point you in the direction of high adventure. With a 2º of accuracy, it's smart enough to know exactly where you're heading, anywhere in the world, anytime. And speaking of time, an integrated stopwatch, timer and 12/24 hour clock are also included in this compact, water-resistant little wonder. As a primary guide or as a backup to your GPS, you'd be lost without it!

Part No.	Description	Price
236793CJ	Digital compass & stopwatch	$9.95

Mini Thermo-Anemometer



Waterproof, pocket size with air velocity, temperature and windchill, all in one. Ideal for checking blowers, fans, exhaust hoods and balancing AC/HT ducts.

- 0˚F to 122˚F (-18˚C to 50˚C)
- Measures wind speed in ft/min. MPH, m/s, km/h, knots and Beaufort force
- Large dual display for air velocity and temperature
- Water resistant housing floats and drop tested to 6'

Includes: CR2032 lithium battery and lanyard

Part No.	Description	1	5
218085CJ	Mini thermo-anemometer	$88.95	$84.49

Temperature/Humidity Meter with Min/Max Memory



- Displays (%) relative humidity and temperature (˚C/˚F) simultaneously
- Min./Max. memory on both relative humidity and temperature with reset function
- Temperature range: 14˚F to 140˚F (-10˚C to 60˚C);
- Humidity range: 10% to 99%
- 1" high readout • Size: 4.3"L x 3.9"W x 0.8"Thick

EXTECH INSTRUMENTS

Includes: Built-in tilt stand, AAA battery, and wall mounting bracket

SALE

Part No.	Description	1	10	25
198045CJ	Temp./humidity meter	$36.95	$35.09	$33.35

We're Listening to What You Need



Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.

For detailed specifications see *www.Jameco.com/environmental*

Test/Tools

Hygro + Infrared Thermometer

Combination humidity meter plus infrared thermometer features a super large backlit dual display. The primary display is user selectable for IR or humidity, while the secondary display always displays ambient temperature. The infrared thermometer has a built-in laser pointer with an 8:1 distance to target ratio.



- °C/°F • Auto power off
- Data hold and MAX
- Remote humidity sensor with 39" coiled cable
- Humidity ranges: 10.0 to 95.0% with ±3.5% accuracy
- Air temperature ranges: -4°F to +140°F (-20°C to +60°C) with ±3°F (2°C) accuracy
- IR temperature ranges: -58°F to +932°F (-50°C to +500°C); ±2% or ±4°F (2°C) accuracy
- Size: 2.8"W x 1.4"D x 5.9"H • Weight: 0.5 lbs.

Includes: Stand, holster, probe, battery and case

Part No.	Description	1	5
285974CJ	Hygro/infrared thermometer	$148.95	$141.49

Electromagnetic Radiation Meter

Electromagnetic radiation is all around us, some good, some bad. But, there's never been an easier, more portable device to detect and measure it until the ZAP Checker. Now you can measure your microwave oven's emissions or take engineering measurements of HF, VHF, or UHF transmissions. ZAP Checker does it all. Its portability, multiple settings, ultra-high sensitivity and expanded bandwidth allows you to search out EMR whenever and wherever needed.



Totally Unique

- 10MHz to 4.5GHz

Part No.	Description	1	10
217808CJ	ZAP checker	$129.95	$114.95

Digital Light Meter



- Measures in Lux and footcandle ranges
- Range: Lux – 0 - 50,000 Lux (3 ranges); footcandle – 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling
- 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs.
- One-year warranty

Part No.	Description	1	10
131764CJ	Digital light meter	$99.95	$89.95

For detailed specifications see
www.Jameco.com/environmental

Mini-Clip to Banana Test Cables



21864CJ

- Plunger-type action
- Available in black or red
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- Length: 3.5' • 20 AWG insulated wire

Part No.	Description	1	10	100
21856CJ	Black test cable	$3.95	$3.55	$2.99
21864CJ	Red test cable	3.95	3.49	2.99

Pomona® Stackable Banana Test Lead Cables



159898CJ 159901CJ 159919CJ

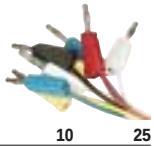
- 5000V @ 15A • 55°C max.

159898CJ: Two 36" leads, mini clip w/ banana
- 45VAC @ 5A max.; beryllium copper contact and glass filled insulation

159901CJ: Two 24" leads **159919CJ**: Two 36" leads

Part No.	Prod. No.	Description	1	10	25
159898CJ	3782-36	Mini w/ banana	$7.95	$7.19	$6.59
159901CJ	B-24-02	Patch cord	9.95	8.95	7.95
159919CJ	B-36-02	Patch cord	9.95	8.95	7.95

Banana-to-Banana Test Leads



- Stackable
- Color coded; 2 each red, yellow, blue, black, white • 9.8" long
- 10 per package
- 18 AWG wire

Part No.	Description	1	10	25
77841CJ	Test leads	$22.95	$20.69	$18.59

Double-Banana Plug to Alligator Clips Test Cable



- Red & black rubber boot
- 4" lead wire • Length: 3'

Part No.	Description	1	10	50	100
107422CJ	Test cable	$3.95	$3.49	$2.95	$2.49

Alligator Clip Leads



- 24 AWG wire
- Color-coded, 15" long
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors

Part No.	Description	1	10	100	1000
10444CJ	Alligator leads	$4.39	$3.95	$3.56	$3.20

BNC to Alligator Clip Test Cable

Permits BNC assembly to be used as a test cable.



- Upper connection: two alligator clips – red 5.5" 22AWG wire; black 9" 22AWG wire
- Lower connection: 23" RG/58U cable with BNC connector

Part No.	Description	1	10	100	1000
11383CJ	BNC cable	$3.49	$2.49	$2.25	$2.05

Insulated Alligator Clips

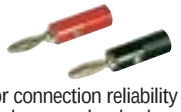


- Color-coded • Insulated barrel
- Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for6-32 self threading screw
- Size: 2.3"L x 0.5"W

Includes: One red and one black clip

Part No.	Description	1	10	100	1000
70990CJ	Alligator clips	$.39	$.36	$.33	$.30

1⁹⁄₁₆" Banana Plugs



- Set-screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- Insulating sleeve is threaded to banana plug body
- .1875" lead opening • Size: 1.6"L x 0.4"Dia.

Includes: One red and one black plug

Part No.	Description	1	10	100	1000
72194CJ	Banana plugs	$1.59	$1.49	$1.25	$1.09

2¼" Banana Plugs



- Nine rib spring plug
- Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits snugly over copper post
- Size: 2.3"L x 0.3"W • Set-screw connection

Includes: One red and one black connector

Part No.	Description	1	10	100
137525CJ	Banana plugs	$2.95	$2.12	$1.84

Claw Clips and Alligator Clips

SALE



248920CJ 248954CJ 248946CJ 256524CJ 248938CJ 248971CJ 248962CJ 248989CJ

- Sold in increments of 2, 4 or 10 ✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Size	2	4	10
248920CJ	Mini-alligator clip solder/crimp	1.2"L x 0.3"W	$.28	$.25	$.23
248954CJ	Red insulator for 248920CJ	—	.18	.16	.14
248946CJ	Black insulator for 248920CJ	—	.18	.16	.14
256524CJ	Alligator clip, barrel/screw	1.9"L x 0.2"W	.45	.38	.35
248938CJ	Alligator clip, solder/crimp	1.6"L x 0.3"W	.52	.48	.42
248971CJ	Red insulator for 248938CJ/256524CJ	—	.21	.19	.17
248962CJ	Black insulator for 248938CJ/256524CJ	—	.21	.19	.17
248989CJ	Claw clip 10A, screw terminal	2.1"L x 0.4"W	.45	.44	.40
249009CJ	Claw clip 20A, screw terminal	2.5"L x 0.5"W	.55	.50	.49
248997CJ	Claw clip 30A, screw terminal ✪	2.8"L x 0.6"W	.69	.62	.58

Pomona® Solderless Banana Plug Sets



159863CJ 159855CJ 159927CJ

- Nickel-plated • Set screws secure leads
- ABS insulation • 5000VDC @ 15A • 50˚C max.
- Color: 1 red and 1 black per set

159863CJ: Solderless with safety collar & set screw
159855CJ: Solderless with set screw
159927CJ: Solderless double banana plug w/ wire guide

Part No.	Product No.	1	10	25
159863CJ	1825-02 set	$2.65	$2.50	$2.38
159855CJ	1325-02 set	3.29	2.99	2.69
159927CJ	MDP-02 set	4.69	4.38	4.07

BNC to Standard Double Banana Plugs



11439CJ 125225CJ

Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11439CJ	BNC banana plug (F)	$4.95	$4.49	$3.99
125225CJ	BNC banana plug (M)	5.49	4.67	3.50

Double Banana Plugs

- Dual gold-plated female banana plugs
- Stackable



125217CJ

Part No.	Description	1	10	100
125209CJ	Blk banana conn.	$2.65	$2.25	$1.69
125217CJ	Red banana conn.	1.99	1.79	1.61

1" Screw-Type Binding Posts

- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mount with lock washer and nut • Solder tab hole: 0.06"Dia.
- Size: 1.0"L x 0.5"Dia.



Requires: 0.32" mounting hole
Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
71239CJ	Binding posts (2)	$.99	$.85	$.69	$.59

1¾" Screw/Solder Binding Posts

- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mounting
- Solder post: 0.0625"Dia.
- Size: 1.8"L x 0.5"Dia.



Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
77690CJ	Binding posts (2)	$1.09	$.95	$.79	$.69

Chassis Mount Banana Jack

- 0.158"
- Molded ABS black plastic body
- Nickel plated steel solder lug and washer



Part No.	Description	1	10	100
291936CJ	Black banana jack	$.67	$.52	$.48

Panel Mount Tip Jacks 1/4" – 32 Thread

Mounts in panels ranging in thickness from 0.063" to 0.375".



- Plating: bright tin
- Material: brass
- Insulation: polycarbonate • 10 per package

Part No.	Cross Ref. No.	Color	1	10	100
256778CJ	R1-17-BLK	Black	$8.59	$8.15	$7.75
263863CJ	R1-17-RED	Red	8.59	8.15	7.75

Double Binding Posts – Dual Banana

- Red/black design
- Screw-mount
- 0.72" between posts
- Size: 1.6"L x 1.4"W



Part No.	Description	1	10	100
125196CJ	Screw mount bind post	$3.95	$3.45	$3.19

Single Binding Post to BNC Male

- Binding post with captive thumb nut
- Accepts standard banana plugs
- Operating voltage:500 V_{RMS}
- Brass nickel plated

See page 127 for BNC Connectors



100600CJ

Part No.	Description	1	10	100
100600CJ	Red binding post	$1.59	$1.34	$1.06
100618CJ	Black binding post	1.59	1.34	1.06

BNC to Double Binding Posts – Dual Banana

- Red/black design



125233CJ

Part No.	Description	1	10	100
125233CJ	BNC-female	$4.95	$4.21	$3.16
99354CJ	BNC-male	5.29	4.76	4.28

Universal Test Lead Kit

Includes: 3' black/red cables, 4.5" black/red insulated test probes, 0.8" needle probes, spade terminals, 2 sets of 4 pieces each red/black insulated alligator clips and banana plug



Part No.	Description	1	10	100
168516CJ	Universal kit	$8.95	$7.95	$6.95



Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Protected Banana Style Multimeter Test Probes



- Threaded/pointed test tip • Black and red
- 18 AWG wire • 42" long • 2 per package

Part No.	Description	1	10	25
77737CJ	Protected probes	$6.49	$5.85	$5.25

Standard Banana Style Multimeter Test Probes



- Black and red • 18 AWG wire
- 42" long • 2 per package

Part No.	Description	1	10	25
77745CJ	Std. banana probes	$7.69	$6.95	$6.25

PROBE MASTER Probe Test Leads

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3'3"



174625CJ

174625CJ Includes: 10 plunger type tips
212222CJ Includes: 10 pieces; screw-on alligator clips, spade lugs and spring hooks



212222CJ

Part No.	Description	1	10	25
174625CJ	Micro tip test leads	$29.85	$28.35	$26.95
212222CJ	Softie test leads	23.85	22.65	21.55

PROBE MASTER Probe Kit

- Rating: 1000V 10A
- Gold tips and contacts
- Electronic deluxe probe kit includes leads with shrouded right angle banana plug, probes, sprung hook probes, alligator clips, spade lugs, extender probes, minigator leads, .025" wire wrap leads, pico hooks and pincer hooks



SALE

Part No.	Description	1	10
212249CJ	Elect. deluxe probe kit	$65.95	$62.99

Pomona® Replacement Probe Test Lead Set

- Set of two PVC 48" insulated leads, probe to banana plug
- Fits all DMMs
- Right-angle multimeter connectors



Part No.	Product No.	1	10	25
155951CJ	5519A	$12.95	$11.49	$10.49

Breadboard-Pin to Breadboard-Pin Test Leads

- 4 each red, yellow, blue, black, white
- 5.9" long
- 20 AWG wire
- 20 per package



Part No.	Description	1	10	25
77825CJ	Breadboard pin leads	$12.95	$11.69	$10.49

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

Color Code Legend: New Sale Lower$ QtySave

Micro Test Clip



- One piece per package

Part No.	Description	1	10	100	1000
153162CJ	1.6" micro test clip	$.75	$.68	$.54	$.41

Mini Test Clips

- Two lengths

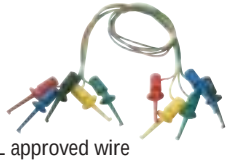
Includes: One black and one red hooked probe clip



Part No.	Description	1	10	100
114809CJ	1.75" mini test clips	$1.89	$1.49	$1.35
114817CJ	3.5" mini test clips	1.75	1.49	1.12

Mini-Clip Test Leads

These spring loaded mini-clips hook easily to IC pins for testing.



- Set of five: red, blue, green, black and yellow
- 14"L; clips on both ends
- 26 AWG to 300V CSA/UL approved wire

Part No.	Description	1	10	100	1000
135298CJ	Mini test leads	$11.49	$10.39	$9.29	$8.39

Pomona® Minigrabber® Test Clip Patch Cord Kit



- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends

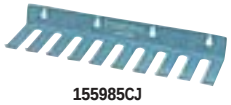
Part No.	Prod. No.	Description	1	10
156494CJ	5523	Patch cord (hook)	$34.95	$31.49

Pomona® 11"L Test Lead Holders

155985CJ:
- Max cable dia.: 0.450"

155977CJ:
- Max cable dia.: 0.320"

155969CJ:
- Max cable dia.: 0.210"



Part No.	Prod. No.	Slots	Color	1	10	25
155985CJ	2708B	9	Blue	$9.95	$9.45	$8.98
155977CJ	4408	10	Black	9.95	9.45	8.95
155969CJ	1508	14	Orange	9.95	9.45	8.98

How to Test Almost Everything Electronic



TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.

- Size: 7.4" x 9.3" • Weight: 1.3 lbs.

Part No.	Description	1	10
126199CJ	How to Test Everything	$17.95	$16.15

BNC Female Connector with 20AWG Lead Wires



Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.

- BNC female connector • 7" 20AWG lead wires

Part No.	Mfr. Cross Ref. No.	1	10	100
256831CJ	CBB-069	$5.39	$5.15	$4.89

BNC to Clip Test Cables





BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- Micro-clip or mini-clip • Length: 39"

Part No.	Description	1	10	50	100
11421CJ	Micro-clip RG174	$3.99	$3.19	$2.89	$2.59
11463CJ	Mini-clip RG174	4.39	3.99	3.59	3.19

Pomona® BNC to Minigrabber® Test Clips



- RG 174/U, .100" O.D.
- Rating: 300 V^{RMS} max., +50˚C (+122˚F) max.
- Strain relief: PVC molded directly to connector
- Length: 36"

Part No.	Product No.	1	10
176954CJ	5187-K-36	$21.95	$19.95

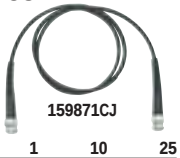
Pomona® BNC Male w/ Molded Strain Relief to Minigator® Test Clips



- RG 58C/U, .195" O.D.
- Rating: 45 V^{RMS} max., +50˚C (+122˚F) max.
- Jaws open to .187" max.
- Length: 36"

Part No.	Product No.	1	10
176971CJ	4532-C-36	$16.95	$15.26

Pomona® BNC Cables



- RG58 C/U 50Ω cable
- BNC male connectors
- Molded strain relief
- Length: P/N 159871CJ: 36"
  P/N 159880CJ: 60"

Part No.	Product No.	1	10	25
159871CJ	2249-C-36	$15.95	$14.39	$12.95
159880CJ	2249-C-60	15.95	15.15	14.39

Paladin PC Cable-Check™ Tester



Tests standard computer cables for open, shorted and cross-connected wires. PC Cable-Check™ also tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, plus RJ11, and RJ45 telephone plugs. A separate section to check USB-A to USB-B cables, as well a separate section to check female BNC to female BNC cables.

Part No.	Description	1	10
123916CJ	PC cable-check™ (battery and manual included)	$169.95	$152.95

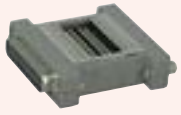
RS-232 Mini-Tester with Status LEDs



Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.

Part No.	Description	1	10	100
26729CJ	Mini-tester	$11.95	$10.76	$9.68

Miniature RS-232 Breakout Box for Quick Design Changes



Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.

Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Quantity SAVE

Part No.	Description	1	10	100
11181CJ	Breakout box	$8.95	$7.61	$5.71

RS-232 Loopback Tester



The tester acts as a data verifier by sending data back to the transmission device. Used for diagnostic testing of RS-232 circuits. 4 LEDs monitor lines 2 to 3, 4 to 5, 6 to 20, and 15 to 17. Connectors: male to female DB25.

Part No.	Description	1	10	100
22728CJ	Loopback tester	$6.95	$5.95	$4.45

RS-232 Line Status Tester



Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.

Part No.	Description	1	10	100
14285CJ	Check line tester	$8.95	$8.09	$7.25

RS-232 Signal Adapter/Splitter



- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts

Part No.	Description	1	10	100
105195CJ	Tri-port serial adapter	$7.95	$6.95	$5.95

Flexible Multilink RS-232 Tester & Breakout Box



Visually indicates the status of lines 2, 3, 4, 5, 6, 8, 20, and 22 on the DTE and DCE sides. Provides signal status at a glance. Complete cable "breakout" & reconfiguration. Connectors: DB25 male & DB25 female.

- Cable length: 4" • Size: 3.5"L x 3.3"W x 1.0"H

Includes: handy carrying case, 10 jumper wires and a device wiring chart

Part No.	Description	1	10	25
25945CJ	Tester/breakout box	$22.95	$19.95	$17.95

Test/Tools

Professional Electronic Technician Tool Kits for Every Situation!

28-Piece Cellular Phone Services Tool Kit



This kit is perfect for mobile phone repair.

- In addition to the tools listed in the matrix below, the kit includes:
  - 4" micro cutting pliers
  - 5" snipe nose pliers
  - Hot air tip
  - Self igniting micro torch
  - S-needle tip
- Size: 11.9"L x 9.8"W x 1.9"H • Weight: 3.2 lbs.

SALE

Part No.	Description	1	5
218202CJ	Cellular phone tool kit	$43.19	$39.26

51-Piece Tech Tool Kit



Essential kit for electronic machine maintenance and repair jobs!

- In addition to the tools listed in the matrix below, the kit includes:
  - 2 nut drivers
  - Solder pen
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.

Part No.	Description	1	5
26681CJ	51-piece tool kit	$94.95	$73.15

55-Piece Tech Tool Kit



An assortment of tools for general & precision work for technicians, engineers, students, etc.

- In addition to the tools listed in the matrix right, the kit includes:
  - Screwdriver handle
  - 6-piece mini-hammer set
  - 5 piece of double edge blade
  - PLCC extraction tool
- Carrying case has outer velcro pockets to store paperwork, etc.
- Complete your assortment with a multimeter (See pages 225-226)
- Size: 17.6"L x 12.8"W x 4.0"H • Weight: 9.2 lbs.

Quantity SAVE

Part No.	Description	1	5
136311CJ	55-piece tool kit	$124.95	$99.96



Lowest Price Guarantee

Have you found a product at a lower print advertised price? We'll beat that price by 10% right down to our cost.

57-Pc. Master Electronics Tool Kit



Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- In addition to the tools listed in the matrix below, the kit includes:
  - 5" & 6" side cutter
  - 5" & 6" long nose pliers
  - 8" combination pliers
  - 9.5" water pump pliers
  - Alignment driver
  - Parts tube
  - 5-piece file set
  - 6" stainless scissors
  - Testing driver
  - Solder wick
  - PVC insulated tape
  - Oil can
  - Carpenter hammer
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.

Part No.	Description	1	5
218245CJ	Master electronic tool kit	$124.95	$117.95

Complete your assortment with a multimeter. See pages 224-227.



100-Piece Professional Electronics Tool Kit

Kit for field technicians and engineers!



- In addition to the tools listed in the matrix below, the kit includes:
  - Computer/polarity circuit tester
  - Mini vacuum cleaner
  - Cassette head cleaning fluid
  - 3.6V cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.

Part No.	Description	1	5
242851CJ	100-piece tool kit	$199.95	$189.95

114-Piece Tech Service Tool Kit



- In addition to the tools listed in the matrix below, the kit includes:
  - 40-pc socket pack
  - 6" side cutter
  - 6" long nose pliers
  - 6" slip joint pliers
  - carpenter hammer
  - 3 piece trimmer set
  - stainless steel spring hook
  - solder wick
  - 8" combination pliers
  - 2 removable pallets
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No.	Description	1	5
149024CJ	114-piece tool kit	$279.95	$251.99

Quick-Reference of Professional Tool Kit Contents

Parts included in kits	218202CJ	26681CJ	136311CJ	218245CJ	242851CJ	149024CJ
3-prong holder			1	1	1	1
Anti-static strap			1		1	1
Brush		1	1	1	1	1
Crimping tool			1 (7-way)	1	1	1
Desoldering pump		1	1	1	1	1
Digital Multimeter		1			1	
Drill set						1
Files, needle		2-pc			6-pc	5-pc
Flashlight			1	1	1	1
Forceps						1
Heat sink			1	1		1
IC extractor			1	1		1
Inspection mirror				1		1
Measuring tape, 10-foot		1		1		1
Pliers, 8" lineman			1		1	
Pliers, bent needle nose		1	1	1	1	1
Pliers, diagonal cutter		1	1		1	1
Pliers, flat nose		1	1		1	1
Pliers, needle nose						
Pliers, snipe nose	1					1
Scissors		1		1	1	
Screwdriver set	12-pc	8-pc	3-pc	8-pc	12-pc	9-pc
Screwdrivers, precision	2-pc	6-pc	6-pc	6-pc	6-pc	6-pc
Solder core	1		1	11	1	1
Soldering aid kit, 3-pc	1 (6-pc)	1	1	1	1	1
Soldering iron		1	1 (30W)	1 (30W)	1 (30W)	1 (25W)
Soldering stand		1		1	1	
Tape, electrician					1	1
Tweezers	1	1	2	1	1	1
Utility components box		1		1	1	1
Utility knife		1	1	1	1	
Wire stripper						1
Wrench, adjustable			1	1	1	1
Wrench, hex key		7-pc	7-pc	7-pc	7-pc	7-pc
Wrench set				6-pc	5-pc	10-pc
Total Pieces	**28**	**51**	**55**	**57**	**100**	**114**
Price	**$43.19**	**$94.95**	**$124.95**	**$124.95**	**$199.95**	**$279.95**

Economy Tool Kits for Every Budget!

11 & 12-Piece Lightweight Computer-Service Tool Kits

- Both kits include:
  - 2 nut drivers: 3/16", 1/4"
  - 3-claw parts holder
  - 1-pc hex key wrench
  - IC extractor
  - 4-pc screwdriver set
  - Tweezers

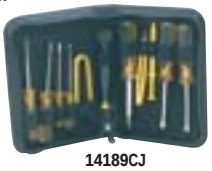
Quantity SAVE



167206CJ

167206CJ: 11-Piece Tool Kit

- In addition this kit includes: Clear components, tube holder
- Size: 8.5"L x 5.9"W x 1.3"H
- Weight: 1.1 lbs.



14189CJ

14189CJ: 12-Piece Tool Kit

- In addition this kit includes: 14-16 pin IC inserter/straightener
- Size: 9.0"L x 5.8"W x 1.3"H • Weight: 1.2 lbs.

Part No.	Description	1	10	25
167206CJ	11-piece tool kit	$12.95	$11.01	$8.26
14189CJ	12-piece tool kit	16.95	15.26	13.73

20-Piece SAE Computer Tool Kit

- The kit includes:
  - 1-pc hex key wrench
  - 30W soldering iron
  - Adjustable wrench
  - Needle nose plier
  - 6-pc screwdriver set
  - 6' solder – Tweezers
  - 8" wire cutter/stripper
  - Clamping tweezers
  - 3-pronged parts retriever
  - Spare parts tube – IC extractor
  - Flashlight with battery – Heavy duty molded case
  - 2 nut drivers (1/4" & 3/16")
- Size: 11.9"L x 9.2"W x 2.0"H • Weight: 3.5 lbs.



✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
170966CJ	Computer tool kit ✪	$24.95	$22.46	$20.21

Save Money! Buy a Second?



Your company pays you a good dollar for a reason – you're worth a lot to your company when you are creating a solution.

So think about how much time you spend locating tools. At your hourly pay rate, the time lost probably exceeds the cost of a duplicate set of tools.

You may have a well-outfitted bench, but some of us use hand tools in another location. If you spend less time searching for frequently used tools, you could save the company money in the long run and increase your productivity!

Practical Practices
Money Saving Tips for the Engineer

24-Piece PC Premium Tool Kit

- 3.2mm x 75mm slotted screwdriver
- #0 x 75mm Phillips screwdriver
- 3 prong holder
- Spring tweezer
- Spare parts tube
- IC extractor • Torch
- Extension bar for ratchet bits
- Adjustable ratchet screwdriver
- Side cutter pliers • Long nose pliers
- 5mm and 7mm slotted bit • #1 and #2 Phillips bit
- T10, T15, T20, T25, and T30 Torx bit
- 1/4" and 3/16" nut • Socket adapter
- Size: 8.4"L x 5.9"W x 1.4"H • Weight: 1.3 lbs.



SALE

Part No.	Description	1	5
226085CJ	24-piece premium tool kit	$17.95	$14.36

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits • Tweezers
- Driver handle • Compact carrying case
- 3" extension bar for 1/4" drive
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.



Part No.	Description	1	10	25
170069CJ	26-pc. SAE tool set ..	$17.95	$16.16	$13.69

26-Piece Metric Hobby Tool Set

- 6 screwdrivers: Phillips #0, #1, slotted 0.05", 0.08", 0.09", 0.12"
- 10 bits: 5mm, 6mm, #No.1, #No.2, No.1, No.2, T-10, T-15, T-20, socket adapter
- Stainless steel tweezers • Sockets: 5, 6, 8, 10mm
- Extension bar • Handle • 4" side cutter
- 4" long nose pliers • Plastic carrying case
- Size: 6.4"L x 4.1"W x 2.0"H • Weight: 1.2 lbs.

SALE



✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
99629CJ	26-piece tool set ✪	$9.99	$9.09	$8.25

40-Piece Electronic Tech Tool Kit

- The kit includes:
  - Wire cutters/stripper
  - Adapter bit for sockets
  - Pocket clip screwdriver
  - Potentiometer alignment tools
  - T10-T25 reversible Torx screwdriver bits
  - 3/16"-1/2" S.A.E. nut driver sockets
  - 6mm-12mm metric nut driver sockets
  - Slotted and Phillips screwdriver bits
  - 10-pc screwdriver set
  - Extra long 3-claw parts holder
  - IC inserter w/ pin straightener – IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.



Part No.	Description	1	10	25
119183CJ	40-piece tool kit	$21.95	$19.76	$15.80

Aluminum Tool Case

This heavy-duty case is made of lightweight durable aluminum. A single inside panel and adjustable compartments easily carry hand tools, small soldering equipment, hand-held test equipment, and more.

- Size: 19"L x 14"W x 6"D



Part No.	Description	1	5
261884CJ	Tool case	$51.39	$44.15

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.

- Size: 19"L x 14"W x 6"D



Part No.	Description	1	5
261876CJ	Tool/equipment case	$51.39	$44.15

Kwik Change Tool/Parts Tote

Versatile storage tote for organized storage space. Front drop panel reveals four slide-out storage boxes and includes two interchangeable racks and one double deep rack. Bulk storage beneath lid for larger tools and exterior rack for small tool storage. Ruler on front for added convenience.

- Size: 20.5"H x 12"W x 14.5"D



SALE

Part No.	Description	1	5
261892CJ	Tool/parts tote	$44.95	$42.75

2-In-1 Zippered Tool Bag

A high-quality tool tote case that can be used as two separate bags or zipped together as one case. The first bag has two large pouches for documents & paperwork or large items. The second bag contains 20 pockets for tools.

- Size: 16"L x 12"W x 2.5"D



Part No.	Description	1	5
261868CJ	Tool/tote case	$24.25	$22.09

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Test/Tools

For detailed dimensions, please visit our website at www.Jameco.com

Variable High-Speed Rotary Tool Kit

A multiple high-speed rotary tool kit with 6-speed selections ranging from 8,000 to 30,000 RPM, along with 40 bits and accessories, provides you all the power and precision you need to tackle almost any cutting, drilling, polishing, sanding or engraving job. With its high-speed output, plus a nylon body, you can grasp the tool lightly to perform fast rough work or delicate craftsmanship. A convenient shaft-lock button provides fast-and-easy accessory bit changing.



- 9" long variable-speed rotary tool
- Drum sander wheel • 3 drum sander pads
- 2 felt buffing pads • Disk sanding arbor
- 6 disk sanding pads • 7 disk grinders
- 10 rotary grinders • Grinder dressing stone • 4 rotary files • 2 drill bits • Wrench
- One-year manufacturer's warranty

Part No.	Description	Case Dimensions	Wt. (lbs.)	1	5
211289CJ	High-speed rotary tool kit	12.0"W x 7.0"D x 3.5"H	3.3	$39.99	$37.99

Adjustable Cordless Screwdriver



- Adjustable handle can be used folded or unfolded
- Thumb switch for reverse and forward action
- No load speed: 180 RPM
- Clutch operating torque from 4 to 21kg-cm
- 3.6V rechargeable battery
- Size: 10.5"L x 1.5" Dia. • Weight: 1.6 lbs.

Includes: 6VDC @ 300mA power supply and screwdriver bits, slotted and Phillips

Part No.	Description	1	10
176680CJ	Cordless screwdriver	$36.95	$33.26

Glue Gun and Sticks



- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included)
- Size: 7.3"L x 6.3"W

Part No.	Description	1	10	25
72696CJ	Glue gun	$9.95	$8.96	$8.06
78633CJ	Glue sticks (6/pk)	3.15	2.84	2.55
176292CJ	Glue sticks (10/pk)	4.95	4.29	3.79

Mini-Drill and Stand

This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	10	25
26702CJ	MS398 drill	0.8	$29.95	$26.95	$23.95
26711CJ	MS399 stand	1.8	19.95	17.95	15.95

Order Anytime 24/7/365

32-Piece Security Bit Set

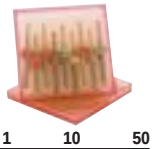
These bits match the security fasteners commonly used in today's electronic products.



Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver

Part No.	Description	1	10
223829CJ	32-piece security bit set	$11.95	$10.75

9-Piece Assorted Drill Bit Kit



- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes

Part No.	Description	1	10	50
131676CJ	9-piece drill bit kit	$9.95	$8.95	$7.95

High-Speed Steel Step Drill Bits

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

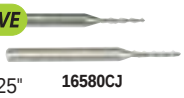


229657CJ: • Shank size: 3/8" • 2.4" long
172401CJ: • Shank size: 1/4" • 2.5" long

Part No.	Description	1	10	25
229657CJ	3/16" – 7/8" 13-step	$14.95	$13.45	$12.10
172401CJ	3/16" – 1/2" 6-step	9.95	8.95	7.95

PC Board Drill Bits

- Reconditioned carbon steel bits *Quantity SAVE*
- High quality long lasting cutting edge • Shank dia.: .125"
- Use for drilling holes in glass PC boards



Part No.	Drill Dia.	No.	Application	1	10	100
16619CJ	.021"	75	Miscellaneous	$1.55	$1.32	$.99
16580CJ	.040"	59	Plated thru holes	1.75	1.49	1.12

Weller® 250-Watt, 3-Setting Industrial Heat Gun



- 750°F to 800°F hot air at nozzle; 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord

Part No.	Product No.	Wt. (lbs.)	1	10
191943CJ	6966C	1.2	$119.95	$107.95

1000-Watt Heat Gun



- Dual heat setting: 600˚F/1100˚F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts
- Input voltage: 110-120 VAC

Part No.	Description	1	6	12
254924CJ	Heat gun	$42.55	$41.10	$36.85

WAHL® 1,200˚F Portable Heat Gun

ETL listed



- Portable and flameless heat
- Temperatures up to 1,200˚F (650˚C)
- Typical applications: shrink tubing, activate adhesives and potting compounds, form plastics and laminates and preheat flux
- Each cartridge (disposable butane lighter) provides approximately 20 minutes of heat
- Includes disposable gas lighter
- Electronic ignition
- Size: 4.8"L x 0.9"W • One-year warranty

Part No.	Description	1	10
150691CJ	Portable flameless heat gun	$26.95	$24.25

Heat Gun/Stripper

Dual-Setting



- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Dual heat setting: 600°F/1100°F
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed
- Size: 9.3"L x 7.0"W
- Weight: 1.8 lbs.





Part No.	Description	1	10	25
76865CJ	Heat gun	$39.95	$35.95	$31.95
217816CJ	Heat shrink attachment	1.95	1.85	1.75
217832CJ	Air spreader	1.95	1.66	1.24


PVC Heat Shrink Tubing


Polyolefin Heat Shrink Tubing

See page 101 for Heat Shrink Tubing.

Test/Tools

Color Code Legend
New Sale Lower$ QtySave

Twin Wrench Driver Set

The handle of this twin wrench driver set has two tips, horizontal and vertical for those hard-to-reach areas.



- Non-slip double ended driver
- Three slotted bits: 4mm, 5mm, and 6mm
- Philips bits: #1 and #2
- Pozi bits: #1 and #2
- Torx bits: 10mm, 15mm, and 20mm

Part No.	Description	1	10
223811CJ	Twin wrench driver set .. ~~$3.99~~	$2.99	$2.84

6-Pc Long-Neck Screwdriver Set

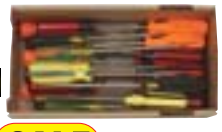


- Three slotted: 0.09"Dia. x 6.6"L 0.12"Dia. x 6.6"L 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L

Part No.	Description	1	10	50
99451CJ	6-pc. screwdriver set	$8.95	$8.06	$7.25

25-Piece Screwdriver Grab Bag

25 assorted sizes and types of screwdrivers in a box. Types may include slotted, Phillips, Torx or star.



Part No.	Description	1	10
235070CJ	Assorted screwdrivers	$14.39	$13.99

JAMECO Pocket Screwdriver

Phillips & Flat head



- Size: 6"L
- Pen clip for pocket storage

Part No.	Description	1	10	100
127271CJ	Pocket screwdriver	$1.55	$1.45	$1.19

11-Pc Precision Screwdriver Set



- 0.9, 1.2, 1.4, 1.8, 2.4 and 3mm slotted screwdrivers
- Phillips #00, #0 and #1 screwdrivers
- Awl
- Magnetic pick-up

Part No.	Description	1	5
226093CJ	Precision screwdriver	$4.49	$4.29

7-Piece Insulated Screwdriver Set

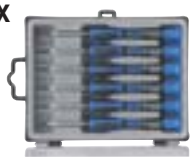


- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips

Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

Part No.	Description	1	5
261999CJ	Screwdriver set	$19.25	$17.59

6-Pc Precision Torx Screwdriver Set



- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T19 x 50mm Torx hex screwdrivers

Part No.	Description	1	5
226106CJ	Precision TORX screwdriver	$12.95	$12.29

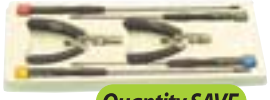
6-Pc Precision Screwdriver Sets

34041CJ includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers
34059CJ includes: 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers


34041CJ

Part No.	Description	1	10	50
34041CJ	Slotted set	$3.59	$3.23	$2.91
34059CJ	Phillips set	3.59	3.23	2.91

6-Piece Screwdriver & Pliers Set



- One micro cutting nipper
- One micro flat nose pliers
- 2 long-neck slotted: 0.12"Dia. x 9.61"L; 0.09"Dia. x 7.64"L • 2 long-neck Phillips: No.0, 0.12"Dia. x 9.61"L; No.2, 0.09"Dia. x 7.64"L

Part No.	Description	1	10	50
99565CJ	Screwdriver/pliers	$13.49	$11.47	$8.60

7-Piece Nut Driver Sets



- Premium hardened steel sockets
- Large colored handles

261850CJ: Metric
5mm, 6mm, 7mm, 8mm, 9mm, 10mm & 11mm
261841CJ: SAE
3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

Part No.	Description	1	5
261850CJ	Metric nut driver set	$8.99	$8.65
261841CJ	SAE nut driver set	9.89	9.49

5-Piece Pliers Set



- Precision machined heat-treated jaws
- Vinyl insulated handles

Includes: 6.5" needle nose; 7.5" lineman's; 8" slip joint; 8" groove joint & cutting pliers

Part No.	Description	1	5
261905CJ	Pliers set	$9.75	$9.25

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages @ www.Jameco.com.

Xcelite Needle Nose Pliers

217891CJ (submini needle nose):
Serrated jaws
- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas


217891CJ


217998CJ

217998CJ: Smooth jaws
- General purpose for pick-up and wire forming

Part No.	Prod. No.	Description	1	10
217891CJ	L4	4" mini needle nose	$14.95	$13.69
217998CJ	LN54G	5" thin long nose	14.95	13.46

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles

Includes:
One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers



Part No.	Description	Wt. (lbs.)	1	10	25
73120CJ	5-piece set	0.6 ...	$17.95	$16.16	$14.54

Half-Round Long Nose Pliers



- Drop forged steel
- Spring return action
- Length: 4.5"
- Heat treated
- Vinyl grips
- Knurled jaws

Part No.	Description	1	10	50	100
177607CJ	Half-round pliers	$4.95	$4.49	$3.95	$3.59

5" Cutting Pliers

Recommended for cutting copper and soft lead wires. Ideal for precise circuit board work. Spring loaded.



Part No.	Description	1	5
261809CJ	Cutting pliers	$4.99	$4.55

SAE Hardware

Prepackaged: order in increments of 100 or 1000

Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece minimum 100	1000
38172CJ	2-56	Std	.250	$.025	$.022
40951CJ	4-40	Std	.250	.019	.011
40969CJ	4-40	Std	.375	.017	.012
106809CJ	4-40	Std	.500	.018	.013

Hex Nuts

38164CJ	2-56	Std	.183	$.022	$.014
211123CJ	4-40	Sm	.184	.023	.011
40942CJ	4-40	Std	.243	.025	.013

Additional SAE Hardware on page 153.

5.3" Flat and Half-Round Long Nose Pliers

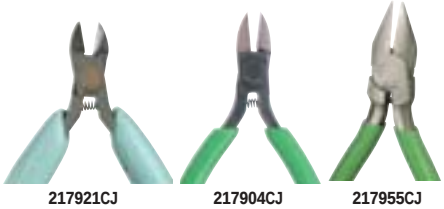

35473CJ

- Stainless steel • Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose

35473CJ/35490CJ: Knurl jaws
195531CJ: Smooth jaws

Part No.	Description	1	10	50	100
35473CJ	Flat long nose ..	$5.49	$4.94	$3.95	$2.96
195531CJ	Flat long nose	4.95	4.46	3.56	2.67
35490CJ	Half round	5.49	4.94	3.95	2.96

Xcelite Diagonal Cutters


217921CJ 217904CJ 217955CJ

Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.


217867CJ

- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for maximum comfort

Part No.	Prod. No.	Description	1	10
217921CJ	MS54J	4" oval head-flush	$15.95	$14.36
217955CJ	S475JS	4" relieved head-flush ...	14.95	13.46
217904CJ	MS549J	4" tapered head-flush ...	14.95	13.46
217867CJ	MS545J	4" slim line tapered head-flush	14.95	13.46

Cutting Pliers



Flush Cut

- Stainless steel
- Side cutting flush cut
- Leaf spring for smooth controlled action

Part No.	Description	1	5
261788CJ	Cutting pliers	$6.95	$6.55

Heavy Duty Tubing Cutter



- Clever design eliminates spiraling, resulting in straight clean cuts with no burrs
- Cuts copper, brass, aluminum tubing and thin-wall conduit up to 1-1/8" diameter • Fold-away reamer
- Extra cutter wheel stored in body
- Lightweight aluminum body and knob
- Telescopic wheel-feeding mechanism keeps turning radius constant • Length: 4.8"

Part No.	Description	1	5
227475CJ	Tubing cutter	$17.95	$17.05

See page 108 for Molex Hand Crimp Tool and Extraction Tool.



Xcelite Cutters and Pliers

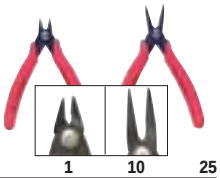

146712CJ (6") 146739CJ (4") 146721CJ (5")

- Spring returns

146712CJ: Micro series wire cutter – flush; 6"
146739CJ: Diag. wire cutter – semi-flush; 4"
146721CJ: Long needle nose pliers – flat; 5"

Part No.	Product No.	1	10	50	100
146712CJ	170M	$5.75	$5.19	$4.69	$4.19
146739CJ	MS54V	13.95	12.95	11.95	10.95
146721CJ	MN7776V	16.95	15.95	14.95	13.95

Xcelite Shearcutter/Pliers Set



- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L

Part No.	Product No.	1	10	25
152055CJ	S2K	$15.95	$14.95	$13.95

4" Diagonal Wire Cutter



- Drop forged steel
- Heat treated
- Vinyl grips
- Spring return action
- Polished head
- Length: 4"

Part No.	Description	1	10	50	100
179901CJ	Wire cutter	$5.49	$4.94	$4.45	$4.00

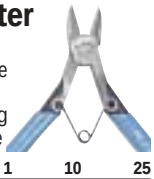
4.3" Diagonal Wire Cutter



- Cuts component wire up to 1.2mm thick
- Stainless steel
- Durable rubber handles
- Jaws are designed for flush cutting
- 4.3"L x 2.1"W with 0.5" cutting blade

Part No.	Description	1	10	50	100
35481CJ	Wire cutter	$5.59	$4.99	$4.55	$3.99

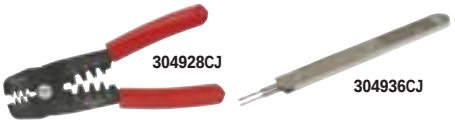
5" Diagonal Wire Cutter



- Cuts component wire up to 1.2mm thick and 0.08mm fine wire
- Insulated handles
- Jaws are designed for flush cutting
- 5.0"L x 1.8"W w/ 0.5" cutting blade

Part No.	Mfr. Cross Ref. No.	1	10	25
161411CJ	Wire cutter	$7.49	$6.74	$6.07

molex Hand Tools for Mini-Fit Jr.


304928CJ 304936CJ

304928CJ: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928CJ	63811-1000	Crimp tool	$42.99	$39.99
304936CJ	11-03-0044	Extraction tool ...	19.99	18.99

5" Wire Cutter/Stripper



- Strips and cuts 20-24 AWG wires
- Insulated grips
- Spring loaded for easy use
- Cutter angled @ 45 degrees for use in tight places
- Size: 5.0"L x 3.0"W

Part No.	Product No.	1	10	50	100
159273CJ	HT109	$5.49	$4.94	$4.45	$4.00

5" Wire Cutter/Strippers


78991CJ 215888CJ

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78991CJ: 10-30 AWG (screw adjustable)
215888CJ: 10-24 AWG (dial to adjust for wire gauge)

Part No.	Mfr. Cross Ref. No.	1	10	50	100
78991CJ	HT108	$3.95	$3.49	$2.95	$2.59
215888CJ	JE-2022C	3.95	3.49	2.95	2.59

Xcelite 6" Wire Cutter/Strippers


161226CJ 161234CJ

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

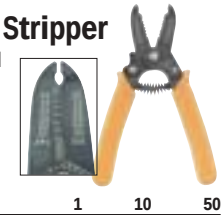
161226CJ: Premium
- 12-20 AWG stranded; 10-18 AWG solid
- Color: yellow

161234CJ: Premium
- 16-26 AWG stranded; 14-24 AWG solid
- Color: red

161218CJ: Standard
- 16-26 AWG stranded; 14-24 AWG solid
- Color: red

Part No.	Prod. No.	Description	1	10
161226CJ	ID45-215	Cushioned grips ..	$16.75	$15.91
161234CJ	ID45-216	Cushioned grips	17.79	16.91
161218CJ	ID45-121	Non-cushioned grips	13.59	12.95

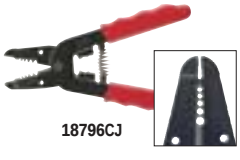
6.6" Wire Stripper



- Wire stripper, cutter, steel wire cutter, and wire loop
- Scale: AWG and mm
- Strips and cuts wires from 20-30 AWG
- Size: 6.6"L x 2.0"W

Part No.	Product No.	1	10	50
159290CJ	HT5023	$9.95	$8.96	$8.06

7-in-1 Wire-Handling Tool


18796CJ

- Wire stripper, wire cutter, steel wire cutter, pliers and wire loop
- Solderless crimping tool
- Scale: mm and inch
- Size: 6.6"L x 3.0"W

Part No.	Prod. No.	Description	1	10	50
18796CJ	HT104	10-18AWG	$4.95	$4.49	$3.95
127861CJ	HT1042	16-26AWG	5.95	5.06	3.79
127870CJ	HT1043	22-30AWG	5.49	4.94	4.45

Color Code Legend: New | Sale | Lower$ | QtySave

Automatic Wire Strippers

175097CJ: Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.

Includes: Wire stopper for desired strip length

202841CJ:
- Size: 6.5"L x 3.0"W
- Weight: 0.3 lbs.

237219CJ:
- Size: 5.2"L x 2.7"W • Weight: 0.2 lbs.


175097CJ


202841CJ

Part No.	Description	1	10	25
175097CJ	Strips 8-22 AWG	$16.95	$15.26	$13.73
202841CJ	Strips 3-24 AWG	12.45	10.58	7.94
237219CJ	Strips 14-24 AWG	9.95	8.46	6.34

Rotary Coax Cable Strippers

2 and 3 Blade

159118CJ (3 Blade):
2 settings RG58/59/62
- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W
- Color: black


159118CJ

159185CJ (2 Blade):
4 settings RG58/59/62/174
- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W • Color: gray


159185CJ

Includes: Hex key wrench for adjusting blade

Part No.	Product No.	1	10	25
159118CJ	HT312B (3 blade)	$13.95	$11.86	$8.89
159185CJ	HT332D (2 blade)	13.95	12.56	11.30

Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs
- Repeatable crimp action for consistent high-quality connections
- Push-down locking mechanism
- Size: 8.0"L x 2.0"W • Weight: 0.8 lbs.



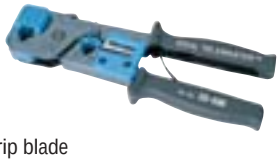
SALE

Includes: Cut and strip blade

Part No.	Mfr. Cross Ref. No.	1	10
174684CJ	TTK071	$26.95	$24.26

Telemaster Modular Connector Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs
- Repeatable crimp action for consistent high quality connections
- Size: 6.0"L x 2.0"W
- Weight 0.8 lbs.



Includes: Cut and strip blade

Part No.	Product No.	1	10
161091CJ	ID30-496	$39.95	$36.65

Ratchet Crimp Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs
- Repeatable crimp action for consistent high-quality connections
- Size: 8.5"L x 2.2"W
- Weight: 1.2 lbs.



Lower $$$

Includes: Cut and strip blade

Part No.	Mfr. Cross Ref. No.	1	10
174676CJ	TTK070	$39.95	$31.96

Professional Modular Connector Crimping Tool
- Spring return action
- 6mm and 12mm stripping guide
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.



Part No.	Product No.	1	10	25
181147CJ	HT200	$54.95	$49.49	$44.55

Modular Connector Crimping Tool Set
- 8" metal modular crimping tool
- Cuts, strips and crimps
- Crimps RJ11 and RJ45 plugs
- Carrying case: blue hard plastic, 8.0"L x 10.5"W x 2.0"H
- Weight: 2.1 lbs.



Includes: 90 modular plugs, 40 pcs. 4P4C, 30 pcs. 6P6C, 20 pcs. 8P8C

Part No.	Product No.	1	10	25
73496CJ	HT2000B	$74.95	$67.49	$60.75

Metal Modular Connector Crimping Tool
- Cable stripper and wire cutter
- Size: 8.0"L
- Weight: 1.8 lbs.
- Crimps 6P and 8P plugs (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C)



Part No.	Description	1	10	25
114526CJ	RJ11/RJ45	$24.95	$22.49	$20.25

Ratcheted Modular Connector Crimping Tool
- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C) • Weight: 0.7 lbs.



Part No.	Description	1	10	25
159311CJ	RJ45/11/12	$21.95	$19.95	$17.95

Ratcheted BNC Crimping Tool
- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W
- Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
114534CJ	HT-336G	$23.95	$21.59	$19.45

Lowest Price Guarantee

Have you found a product at a lower print advertised price? We'll beat that price by 10% right down to our cost.

Hex Crimp Tools
- Use with RG-58 and RG-59 connectors with up to a 3/8" ferrule

261745CJ: 1.7mm standard crimp for crimping center conductor on BNC & TNC connectors; up to 3/8" ferrule

261737CJ: Ferrules up to 1/2"


261745CJ

Part No.	Description	1	5
261745CJ	Hex crimp tool (3/8")	$19.75	$18.55
261737CJ	Hex crimp tool (1/2")	19.49	18.29

Solderless Terminal Crimping Tool
- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow
- Size: 9.0"L x 2.0"W



Part No.	Product. No.	1	10	25
72995CJ	HT303	$18.95	$16.11	$12.08

IDC Connector Crimping Tool
- Crimping distance: 27.5mm to 6mm (with attachment)
- Cushioned red handles
- Crimp insulation displacement connectors
- Use for IDC socket connectors, pg 122
- Size: 9.2"L x 3.0"W • Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
73251CJ	HT214	$15.95	$14.39	$12.95

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG
- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W



Part No.	Product No.	1	10	25	100
99442CJ	HT202A	$9.49	$8.55	$7.69	$6.95

D-Sub Crimping Tool

20-28 AWG
- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377CJ, 43369CJ, pg 107 & 100765CJ, pg 121
- Size: 7.0"L x 4.0"W



Part No.	Product No.	1	10	25
159265CJ	HT213	$10.95	$9.89	$8.89

Nibbling Tool
- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum .375" hole required • Size: 7.8"L


18809CJ

Part No.	Prod. No.	Description	1	10	25
18809CJ	HT204	Nibbling tool	$7.95	$7.16	$6.44
29330CJ	HT204B	Replcmnt bit	4.49	4.04	3.64

Compression Multi-Tool



Designed to compress ferrules of "F"/BNC/RCA connectors. Black oxide steel frame with interchangeable die sockets, ratchet mechanism with manual release disengages after a complete cycle securing a fully compressed ferrule. Integrated coax cutter for cutting cables to appropriate lengths.

Part No.	Description	1	5
261761CJ	Compression multi-tool	$35.65	$33.85

"F" Connector Compression Tool



Compresses RG-6 and RG-59 Snap-N-Seal type connectors.

- Length: 5"

Part No.	Description	1	5
261753CJ	Compression tool	$29.95	$28.45

8-Piece Fold-Up Torx Key Set

SALE



- 3.7" long handle
- Torx bits: T9, T10, T15, T20, T25, T27, T30, T40 • Size: 3.7"L x 1.2"W

Part No.	Description	1	10	100
176006CJ	Torx key set	$6.35	$5.76	$5.23

25-Piece Hex Key Set



- 12-piece SAE long arm with sizes from 1/16" to 3/8"
- 13-piece Metric short arm with sizes from 1.5mm to 1cm

Part No.	Description	1	5
261825CJ	Hex key set	$6.95	$6.59

Rivet Tool

SALE



226114CJ

Sets 3/32", 1/8", 5/32" & 3/16" rivets without adjustments. Simply change the appropriate nozzle, slip the rivet into the pre-drilled hole, and you have a perfect fasten. Spring-loaded handle for automatic ejection of the mandrel.

Part No.	Description	1	5
226114CJ	Rivet tool	$5.59	$5.29
226288CJ	1/8" x 1/4" long rivet (100 pk)	2.19	1.65
226296CJ	3/16" x 1/4" long rivet (100 pk)	3.49	2.65

1/4-Watt & 1/2-Watt Resistor Lead Forming Tool

SALE



- Watt size indicates appropriate package size
- Bends lead length in .05" increments
- Excellent for capacitors also
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"
- Size: 5.4"L x 1.5"W

Part No.	Description	1	10	50
106884CJ	1/4W & 1/2W	$2.79	$2.65	$2.52

9-in-1 Pocket Multi-Tool



- Bottle opener • Metal file
- Flashlight • Knife blade
- Nail pick • Wire cutter
- 2 handyman/long-nose pliers
- Phillips screwdriver
- Folded size: 2.75"L

SALE

Part No.	Description	1	5
227264CJ	9-in-1 pocket multi-tool	$4.39	$3.99

Multi-Tool Storage Rack

SALE



Organize and store 106 of the most common tools in 24" of wall space. Made of durable plastic material, it easily mounts on a wall with the included screws.

Part No.	Description	1	4	8
239353CJ	Storage rack	$5.39	$4.85	$4.37

Heavy Duty Staple Guns



242878CJ



242886CJ

The standard stapler is perfect for contractors, home do-it-yourselfers, and specialty trade applications. We also offer the cable tackers that are ideal for a wide variety of applications such as telephone wire, cable TV, hi-fi systems, alarm systems, intercommunications and general electrical contract work. Both are made of durable nickel-plated steel for heavy-duty use. Rubber grip assures comfortable operation.

- Handle locking • Easy rear loading
- Adjustable high impact tension knob
- Hand stop for safe stapling control
- Visual reload window & rear loading

SALE

227969CJ: T-50 Staple Gun

- Handles 5/16"; 3/8", 1/2", & 9/16" staples
- Use T-50 type staples, below

242878CJ: Cable Tacker Gun

- 4.8mm maximum cable diameter, 1/4" width
- Use P/Ns 244988CJ & 245008CJ tackers, below

242886CJ: 4-in-1 Staple/Tacker/Nail Gun

- Handles T-50 staples; T-25 cable tackers; 14mm long pin nails; 12-14mm long brad nails

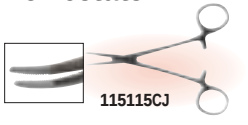
Part No.	Description	1	5
227969CJ	T-50 staple gun	$14.95	$13.58
242878CJ	Cable tacker gun	15.99	14.53
242886CJ	4-in-1 staple/tacker gun	13.29	12.08

Staples

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
230295CJ	T-50, 5/16" staples, 1250 ea.	$2.25	$2.05
230316CJ	T-50, 1/2" staples, 1250 ea. ✪	2.69	2.46
230324CJ	T-50, 9/16" staples, 1250 ea.	2.95	2.67
244988CJ	3/8"L tackers, 1000 ea.	1.25	1.13
245008CJ	9/16"L tackers, 1000 ea.	1.45	1.29
245016CJ	T-25, 1/2"L tackers, 1000 ea.	1.35	1.20
245032CJ	T-25, 9/16"L tackers, 1000 ea.	1.55	1.38

5" Steel Hemostats



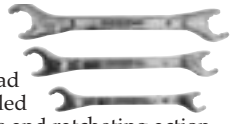
115115CJ

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Mfr.Cross Ref. No.	Description	1	10	50
115107CJ	HEMO1	Straight	$3.49	$3.14	$2.83
115115CJ	HEMO2	Curved	3.95	3.56	3.20

3-Piece Open-End Ratcheting Wrench Set





The Alden Wrench needs only 30° of pivot angle, rather than 60° required by other open-end wrenches. With the built-in ratchet, you need not even remove the wrench from the head of the bolt or nut. Coupled with its small head sizes and ratcheting action, you can loosen or tighten a bolt faster and in tighter spaces. It is made of stainless steel and is individually hand polished.

- SAE 3/8-7/8, 1/2-9/16, 5/8-11/16

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Price
223896CJ	SAE open-end wrench set ✪	$27.45

4-Piece Adjustable Wrench Set



Heavy-duty carbon steel wrenches with black industrial finish. Constructed with rugged I-beam handle and four-sided jaw design for better fit and strength.

- Length x jaw opening: 12" x $1\frac{3}{16}$"; 10" x $1\frac{3}{16}$"; 8" x 1"; 6" x $1\frac{1}{16}$"

Part No.	Description	1	5
261711CJ	Adjustable wrench set	$9.99	$9.75

Adjustable Wrench



Made of chrome-plated carbon steel with knurled adjustment screw and angled head. Size: 6"L x 13/16".

Part No.	Description	1	5
261649CJ	Adjustable wrench	$4.15	$3.69

Combo Wrench Set



261489CJ

- Dropped forged steel
- Combination open closed wrench ends

261489CJ: 10 sizes: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, and 11mm

319564CJ: 11 sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"

Part No.	Description	1	5
261489CJ	10-piece combo wrench set	$8.49	$7.99
319564CJ	11-piece combo wrench set	7.99	7.59

Combination Wrenches



261690CJ

261681CJ

Made from hardened, tempered, drop forged chrome vanadium steel. These wrenches have a straight open end and a 120° offset bi-hexagonal ring.

Part No.	Description	1	5
261702CJ	9/16" wrench	$6.39	$6.09
261690CJ	1/2" wrench	6.19	5.89
261681CJ	7/16" wrench	5.69	5.39

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

2-Piece Tweezer Set

- PVC insulated handles
- Serrated tips for parts handling
- Bent tip and straight rounded tip (wide tip)
- Length: 5.8"



Part No.	Description	1	10	25
253180CJ	Tweezer set	$2.99	$2.69	$2.45

4-Piece Steel Tweezer Set

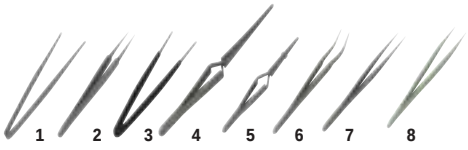




- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735CJ	4-piece tweezer set	$7.95	$6.95	$5.95

Tweezers



253163CJ: Straight, round tapered, wide-point tip
252929CJ: Straight round tapered, fine-point tip, stainless steel
253121CJ: Wide-tip, insulated
252945CJ: Self-closing reverse-action tweezers; wide point tip; stainless steel
252937CJ: Self-closing reverse-action tweezers; medium point tip; stainless steel
253091CJ: Curved fine-point tip
252911CJ: Straight fine-point tip
253112CJ: Fine-point tip, insulated, anti-static

Part No.	Length	Photo	1	10	25
253163CJ	4.5"	1	$.99	$.89	$.79
252929CJ	4.75"	2	2.25	1.99	1.79
253121CJ	4.6"	3	1.49	1.35	1.25
252945CJ	6.6"	4	2.59	2.35	2.09
252937CJ	4.3"	5	2.25	1.99	1.79
253091CJ	4.6"	6	2.25	1.99	1.79
252911CJ	4.75"	7	2.25	1.99	1.79
253112CJ	4.75"	8	2.25	1.99	1.79

Automatic Center-Punch Tool

Adjustable



- Precision instrument
- Alloy steel point
- Knurled steel body • Size: 5.0"L x 0.5"Dia.

Part No.	Description	1	10	50
160282CJ	Center punch tool	$5.95	$5.39	$4.85

T-Handle Reamer Tool

Excellent for aluminum chassis work



- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10	25
151749CJ	T-handle reamer tool	$7.95	$7.49	$6.95

12-Piece File Tool Kit

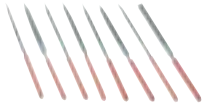
- Fine and coarse file assortment for metal and wood
- 3-piece metal flat; 2-piece metal triangle; 1 each wood round; metal round; wood half-round; metal half-round; metal/wood half-round; and 2 detachable handles



Part No.	Description	1	5
233314CJ	12-piece file kit	$12.95	$9.75

8-Piece Steel File Set

- Strong tool steel
- 1 ea. 0.15"Dia., 0.13"Dia., 0.12"Dia., 0.11"Dia. and four 0.22"Dia. (5.65"L)



Part No.	Mfr Cross Ref. No.	Description	1	10
100360CJ	FS108F	8-piece file set	$9.95	$8.95

Strip-Wrap-Unwrap Tool

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 94 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long


34585CJ

Part No.	Mfr. Cross Ref. No.	1	10	25
34585CJ	HSM30 (Modified)	$49.99	$44.99	$39.99
236785CJ	HSR30 (Regular)	29.95	26.95	23.95

30 AWG Wire Wrap/Strip Tools

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation while all loops on a regular tool have bare wires.

- Knurled handle for easy grip
- 5" long


242798CJ


Regular Modified

Part No.	Description	1	10	25
242801CJ	Tool (Regular)	$17.95	$15.26	$11.44
242798CJ	Tool (Modified)	19.95	17.95	16.15
242827CJ	Replace tip for 242801CJ	8.49	7.65	5.80
242819CJ	Replace tip for 242798CJ	9.49	8.07	6.05
242835CJ	Replace stripper assembly	5.49	4.67	3.50

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.



- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic
- Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99362CJ	IC straightener	$6.95	$6.26	$5.63

Committed to You

We're committed to providing you with the best service in the industry.

Trimmer Potentiometer Adjustment Pocket Tool

- Glass-filled body
- Stainless steel blade
- Size: 5.2"L



Part No.	Description	1	10	100
153314CJ	Trimmer tool	$1.35	$1.22	$1.09

Crimp Pin Extraction Tools

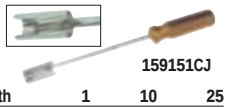
- Easily extract 0.093" locking pins from connectors
- Heavy duty metal
- Precision design • Length: 5"
- See crimp pins on pg 123 (42729CJ and 42649CJ)


131887CJ

Part No.	Prod. No.	Description	1	10
131887CJ	HT319C	Male tool for 42729CJ	$10.95	$9.86
131879CJ	HT319B	Fem. tool for 42649CJ	11.29	9.03

BNC Connector Removal Tools

- For deep chassis removal
- Allows access to hard-to-reach places


159151CJ

Part No.	Product No.	Length	1	10	25
159151CJ	HT2206	6"	$8.49	$7.22	$5.41
152047CJ	HT2212	12"	14.99	14.25	13.53

D-Sub Pin Insertion/Extraction Tool

- Insertion/extraction tool: red/white plastic body; exchangeable tips



Part No.	Description	1	10	100
19094CJ	Insert/extract tool	$2.79	$2.49	$2.15

Spring-Hook Tools

Grab or place in position springs and wires in those hard-to-reach areas with these 8" long spring hook tools.



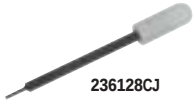
✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
226042CJ	Spring hooks ✪	$4.25	$3.86

Extraction Tools for Molex Connectors


142156CJ/142236CJ


227467CJ/227395CJ


236128CJ


234940CJ

142156CJ/227467CJ: For .062" power connectors
142236CJ/227395CJ: For .093" power connectors
236128CJ/234940CJ: For .100" KK® series housing

Part No.	Product No.	AWG	1	10
142156CJ	W-HT-2285	18-30	$14.49	$13.49
227467CJ	W-HT-2023	18-30	11.99	10.99
142236CJ	W-HT-2038	14-30	14.49	13.49
227395CJ	W-HT-2054	14-30	11.99	10.99
236128CJ	W-HT-1884	22-30	9.99	8.99
234940CJ	11-03-0022	22-30	14.99	12.99

See pages 108 – 110 for Molex Connectors.

SurePunch™ Series Punchdown Tools



Terminates and cuts telephone wire and data cable into 66 and 110 termination panels.

- Cushion grip, molded to the shape of your hand, for comfort and a sure, non-slip hold
- For 22-28 AWG solid or stranded wire
- Blades twist and lock into place
- Length (with blade): 8.0" • One-year warranty

230391CJ: 110/66 combo w/ reversible cut-only blade
230383CJ: 110 reversible cut & punch/punch-only blade
230375CJ: Both 110 & 66 reversible cut & punch/punch-only blades

SALE

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5
230391CJ	3571	$46.99	$42.77
230383CJ	3572	46.99	42.77
230375CJ	3579 ✪	53.69	48.78

Non-Impact 110 Punchdown Tool

Cut and Punch



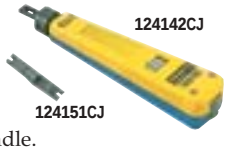
Terminates and cuts telephone and data wire into 110 terminating panels.

- Non-impact, low-cost • 22-28 AWG
- Solid or stranded, single insulation wire
- Comfortable rubber grip handle • Length: 4.0"

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5
230367CJ	3580 ✪	$9.45	$8.55

Impact Punch-Down Tool



Conforms to AT&T performance specification. Reversible clip-in blade, adjustable spring-loaded impact mechanism and spare blade storage in the handle.

- One-year warranty

124142CJ: For 66-type bifurcated terminals
- Size: 7.0"L x 1.4"W x 1.1"H

124151CJ: Blade for 110-type terminals

Part No.	Description	1	10
124142CJ	# 3527 Tool with 66 blade	$53.19	$50.53
124151CJ	110 blade	17.99	14.39

Impact Punch-Down Tools



- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071CJ

175071CJ: Tool with blade
- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324013CJ: Tool with blade
- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H



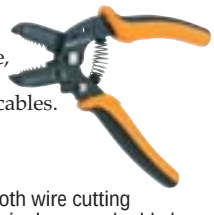
175089CJ

175089CJ: Punch-down blade 110-type terminals

Part No.	Description	1	10
175071CJ	Tool with 66 blade	$34.95	$31.46
324013CJ	Tool with 110 blade	37.39	33.65
324021CJ	Punch-down blade 66	14.95	13.49
175089CJ	Punch-down blade 110	14.95	11.50

See pages 241 – 242 for our complete selection of Cutters/Strippers.

"GripP-STRIPPER" Wire Cutter/Stripper



This tool strips & cuts the most common wire and cable types: electrical wire, hook-up wire, multi-conductor cable, and flat cables.

- For 10-22 AWG
- The tool head and handles are at optimum 22˚ angle
- Non-scoring strip and smooth wire cutting
- Features screw cutter and wire loops embedded in frames • Gripping jaws on front of tool
- Size: 7.1"L x 2.3"W x .65"D • One-year warranty

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5
230463CJ	1117 ✪	$12.65	$11.50

Data SureStrip™ Universal Cable Cutter/Stripper



This multi-purpose tool is an easy-to-use universal cable cutter and stripper for data, telephone, and network installations.

SALE

- Cuts and strips multiple cable types: 4/6/8-conductor flat satin cables; 4/6/8-conductor UTP/STP data cables, 25-pair UTP/STP data and telephone cables; multi-conductor round bundled cables of up to 0.5" diameter; 8-14 AWG wire
- Fully adjustable with simple thumb screw
- Length: 4.5" • One-year warranty

Part No.	Product No.	1	5
230447CJ	1116	$17.15	$15.57

Cable Slitter/Stripper

AM25 Slitter with 2109 blade



Strips and slits round cables with PVC, Teflon, and THNN insulation from 0.18"–1.0" diameter.

- Adjustable cutting depth to 0.18" • Length: 5.3"
- Swivel blade for circular, longitudinal & spiral cuts
- Cable holding clip with integrated edge for removing slit insulation • Spare blade in handle
- Lifetime tool warranty; one-year on blade

Part No.	Prod. No.	Description	1	5
230404CJ	1820	Cable slitter/stripper	$37.95	$36.05
236769CJ	2109	Blade for 1820	14.59	12.29

CrimpALL® Crimpers for RG58/59/62AU & RJ45



230341CJ

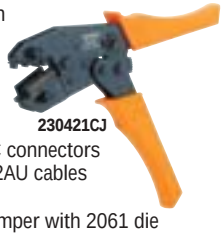
SALE

- Fully-ratcheting crimp cycle with built-in safety release
- Soft-rubber embedded handles
- Rugged, double-plated jaw, designed to increase life span
- Higher crimp force produced with less hand force
- No break-over hand force – less effort by the user to make the last click before making a complete crimp, the CrimpALL does all the work
- EZI-Change™ die screws makes changing dies quick and easy • Length: 9.9" • Weight: 1.3 lbs.

230341CJ: For RG58/59/62AU with 2034 die
230332CJ: For RJ45 (8P8C) with 2061 die

Part No.	Product No.	1	5
230341CJ	8001	$54.45	$49.47
230332CJ	8030	54.75	49.76

Crimpers for Twisted Pair Cable and BNC/TNC



230421CJ

- Fully-ratcheting cycle with built-in safety release
- EZI-Change™ die screws
- For RJ45 (8P8C) crimps 22-28 AWG flat/round, solid/stranded wires
- For 2 or 3 piece BNC/TNC connectors crimps RG58/RG59/RG62AU cables
- Length: 8.9"

230421CJ: Twisted pair crimper with 2061 die
- Crimps 22-28 AWG flat/round, solid/stranded wires
- For RJ45 (8P8C)

230412CJ: BNC/TNC crimper with 2034 die
- Crimps RG58/59/62AU cables
- For 2 or 3 pcs. BNC/TNC

SALE

Part No.	Product No.	1	5
230421CJ	1307	$44.65	$40.59
230412CJ	1317	44.65	40.59

SMD Tools

Vacuum Tweezers



Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.
- Size: 2.9"L x 0.6"W
- One-year warranty

Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45˚ angle tips

Part No.	Description	1	10
88268CJ	Vacuum pick & place kit	$29.95	$27.95

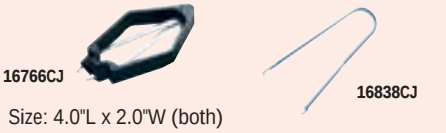
4-Piece Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10	25
172638CJ	4-piece tweezer set	$11.95	$10.95	$9.95

PLCC Surface Mount and DIP IC Extractors



16766CJ

16838CJ

- Size: 4.0"L x 2.0"W (both)

Part No.	Product No.	Description	1	10	100
16766CJ	HT103B	PLCC	$3.95	$3.55	$3.19
16838CJ	HT103A	DIP	1.49	1.25	1.09

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Test/Tools

Color Code Legend
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3X, 3-Bulb Adjustable Magnifying Lamp



Adjustable rectangular 3-diopter lens allows independent movement of the lens for best lighting and viewing angles. Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- 47" long arm • 2 on/off buttons
- Color: beige • UL listed • Weight: 8.15 lbs.

Part No.	Description	1	10	25
217517CJ	Adj. magnifying lamp	$79.95	$74.95	$69.95

3X Magnifying Lamps



- 45" extension arm
- Supplied with 22-watt circuline tube
- New wire clip design permits easy installation
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power requirement: 110VAC/60Hz
- 3X magnification • Weight: 7.3 lbs.

Part No.	Description	1	10	25
100829CJ	Black lamp	$59.95	$53.95	$49.95
149981CJ	White lamp	59.95	53.95	49.95

Standard Adjustable 3X Magnifying Lamp



- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- 3X magnification
- Power requirement: 110VAC/60Hz
- Weight: 2.9 lbs.

Part No.	Description	1	10	25
22710CJ	Magnifying lamp	$26.49	$25.19	$23.89

Precision 5X Magnifying Lamp



The arm extends to 40", is adjustable to any direction or angle, and has a 5X magnifying glass with built-in light. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.

- 5" diameter lens • Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456CJ	Magnifying lamp	$109.95	$98.95	$88.95

General Purpose Illuminated 3X Magnifier



- Great for magnifying fine print
- 75mm diameter lens
- Light requires 2 AA batteries, below
- Size: 7.5"L x 3.75"Dia.

Part No.	Description	1	10	25
149542CJ	Illuminated magnifier	$4.19	$3.56	$2.84
151087CJ	1.5V AA battery (req. 2)	.20	.17	.16

Flexible Neck Magnifier



Never squint again at small fine print or have a hard time holding a magnifying glass while holding two other tools with only two hands. Just simply clamp the magnifying lens on to a table or workbench and adjust the flexible gooseneck into position.

- 3.5" diameter & 3x diopter lens
- Arm length: 20" • Weight: 1.8 lbs.

Part No.	Description	Price
239548CJ	Flexible neck magnifier	$11.49

3X Magnifier with Adjustable Stand



- Heavy duty steel base
- Size: 15"L (full stand) x 4"Dia. (base)

Part No.	Description	Wt. (lbs.)	1	10
148881CJ	Magnifier	2.5	$13.95	$12.56

Tweezers with 8X Magnifier



The perfect combination hand tool for professionals working with small objects. Magnifying glass stays in perfect focus with tweezer heads.

- Stainless steel construction
- Precision tip tweezers
- 1.2" diameter 8 diopter lens
- Length: 3.8"

Part No.	Description	1	5
217824CJ	Tweezer magnifier	$6.29	$4.80

Super Bright, Super Reliable LED Flashlights



215685CJ



262422CJ



261972CJ

The perfect tool for individuals who really depend upon a flashlight that always works. Containing space-age solid-state circuitry, batteries last 14X longer than conventional flashlights. Its super bright white LEDs will last at least 11 years.

- Waterproof, designed for all weather conditions
- Shockproof, withstands a drop from 4'
- Low cost per hour of operation
- Industrial grade switch, rated for 10,000 operations

215677CJ: One month continuous operation using three "D" cell batteries (not included, P/N 215845CJ, pg 194) • Wt.: 0.8 lbs.

215685CJ: 25-days continuous operation using three "C" cell batteries (not included) • Wt.: 0.6 lbs.

215693CJ: 14-days continuous operation using 3 "AA" cell batteries (not included, P/N 198707CJ, pg 194)

262422CJ: 210 hours of continuous operation using 3 "AAAA" batteries (included)

261972CJ: Headtorch delivers 330 hours of continuous operation using 3 "AA" batteries (not included, use P/N 198707CJ, pg 194)

Part No.	Prod. No.	LEDs	Length	1	10
215677CJ	LW-4000	10	10.6"	$63.95	$60.79
215685CJ	LW-3000	7	8.9"	49.95	44.96
215693CJ	LW-2100	4	7.9"	31.95	29.63
262422CJ	LW-TEC1000	1	—	21.79	20.89
261972CJ	LW-HT	4	—	37.95	34.16

33' Measuring Tape



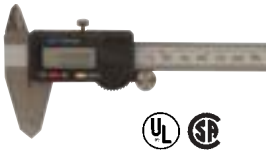
Retractable measuring tape's case has a rubber finish for easy grip and yellow contrast for easy visibility.

- 1" wide
- Metric and inches with 1mm and 1/16" scales
- Triple riveted magnetic end hook
- Bottom & side buttons for temporary tape lock
- Front thumb lock for permanent locking of tape measure • Belt clip and strap

Part No.	Description	1	5
261833CJ	Measuring tape	$9.35	$8.49

Digital Display Calipers

Metric or Inches



- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783CJ, pg 194)

Part No.	Description	1	10	25
127482CJ	Digital disp. calipers	$64.95	$58.46	$52.61

Metal Dial Calipers

Metric or Inches



116134CJ

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal
- Color: silver

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116134CJ	Metric (.02 mm)	$29.95	$26.96	$24.26
116126CJ	Inches (.001 inch)	29.95	26.96	24.26

Magnetizer/Demagnetizer



Magnetize tips of screwdrivers for easy pick-up of small metal objects; demagnetize tips to prevent electrostatic discharge that will damage electronic components.

- Size: 2.0"L x 2.0"W x 1.2"D

Part No.	Description	1	5
239530CJ	Magnetizer/demagnetizer	$6.29	$5.66

Deluxe Precision Knife Set



- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades

Part No.	Description	1	10	25
72768CJ	13 blade knife set	$10.95	$9.86	$8.87

Protective Coiled Grounding Wrist Strap



- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long • Color: black

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34551CJ	Anti-static strap	$6.49	$5.85	$5.29

Conductive Anti-Static Foam and Bags



13864CJ



78668CJ

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

- For safe storage of static sensitive devices

13864CJ: 24.0"L x 12.0"W x 0.25"H

✳ **Prepackaged: order in increments of 5**

Part No.	Descri.ption	1	5
13864CJ	Anti-static foam	$9.29	$8.35
78668CJ	4" x 6" anti-static bags ✳		.19
78650CJ	8" x 10" anti-static bags	.69	.51

3M Disposable Anti-static Wrist Strap



Disposable wrist strap for one time use and low durability applications. A hypoallergenic adhesive provides 360˚ contact with the skin to minimize skin-to-band resistance. The conductive adhesive on the copper foil adheres to any convenient electrical ground. A current limiting resistor is fabricated into the plastic ribbon below the wristband. One size fits all.

- Ship along with components and devices such as integrated circuits and computer peripheral cards

Part No.	Product No.	1	10	25
285456CJ	3M 2209	$1.25	$1.17	$1.11

Anti-Static Work Mats

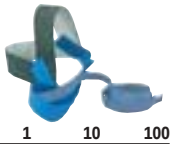


236540CJ

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.

Part No.	Dimensions	Wt. (lbs.)	1	10	100
10575CJ	11.3" x 22"	0.7	$9.95	$8.96	$8.06
10583CJ	19.5" x 23.5"	1.1	13.95	12.59	11.35
236540CJ	23.5" x 27.5"	1.4	24.95	22.49	20.19

Anti-Static Heel Strap



- Discharges static without restricting your mobility
- Ideal for anyone handling static sensitive devices
- Ground strap: 15.5"L

Part No.	Description	1	10	100
100327CJ	Heel strap	$5.49	$4.99	$4.55

Anti-Static Plastic DIP IC Storage Tubes and Rubber Rail Stops

29516CJ: Thin tube (rail) fits 8, 14, 16, 18, 20 and 22-pin integrated circuits. • Length: 23.75"

29524CJ: Wide tube (rail) fits 24, 28, 32, 40 and 48-pin integrated circuits. • Length: 20"

29583CJ: Rubber stops used to plug plastic rail ends



29524CJ 29583CJ

✳ **Prepackaged: order in increments of 10 or 100**

Part No.	Mfr. Cross Ref.	Description	1	10	100
29516CJ	RIC20	Thin rail	$.49	$.44	$.40
29524CJ	RIC220	Wide rail	.49	.31	.19
29583CJ	RRS	Rubber stop ✳	.07	.053	

Soldering Products

300-Watt Solder Pot



Temperature Regulated Between 420°C and 450˚C

- HI/LO temperature switch
- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057CJ or 170464CJ , below
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base) • Weight: 5.9 lbs.
- Size: (tub) 2.4"Dia. x 1.6"D • One-year warranty

Part No.	Description	1	10	25
160303CJ	300W solder pot	$64.95	$58.49	$52.65

600-Watt Solder Pot



Temperature Adjustable

- 2-wire power cord (5'5")
- Temperature: 0˚C to 500˚C
- Self regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057CJ or 170464CJ , below
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D • Weight: 7.4 lbs.

Includes: Skimmer and removable dross tray

Part No.	Description	1	10
172275CJ	600W solder pot	$189.95	$146.25

2000-Watt Solder Pot



- Thermostat control for setting temperature from 50°C to 300°C
- Holds up to 48 bars of P/N 176057CJ or 170464CJ , right
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- 3 conductor pigtail power cord: 5' long
- Size (unit): 18.1"L X 11.5"W X 6.0"H
- Size (tub): 12.0"L X 8.0"W X 2.9"H
- Weight: 23.1 lbs. • One-year warranty

Part No.	Description	1	5
149876CJ	2000 watt solder pot	$399.95	$359.95

Fume Extractor and Filters



Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air • Static ground jack
- Air flow: 115 CFM • Fuse protected
- 120VAC, 60Hz, 22 watt
- Noise: 49dB fan • Aerodynamic hood design for effective removal of solder fumes • Black anodized aluminum case
- Removable carbon-impregnated filter
- Compact size allows use on work bench w/ minimum space • Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty

Includes: Detachable power cord

Part No.	Description	1	10	25
120150CJ	Fume extractor	$58.95	$52.95	$47.79
127183CJ	Replace. filters (2/pk)	12.95	11.66	10.49

Combination 42-Watt Soldering Station and Fume Extractor



- Power consumption: 42W @ 650˚F (soldering iron)
- Adjustable knob for temp. control: 500˚ to 800˚F • Stability @ idle: ±9˚F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D • Weight: 5.2 lbs.

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Product No.	1	10
183169CJ	456DLX	$89.95	$86.29

Solder Bars



170464CJ

- Used for soldering pots
- Tin/lead: 60/40 & 63/37
- Size: 13"L x 0.9"Dia.

Part No.	Description	Wt. (lbs.)	1	10	25
176057CJ	60/40	1.1	$8.49	$7.65	$6.89
170464CJ	63/37	1.8	11.95	11.33	10.77

Electric & Manual Desolder Pumps



- Easily disassembled for cleaning
- Replacement tips available

19254CJ:

- UL listed
- One-hand operation
- Size: 10.5"L x1.0"Dia.

19166CJ: Size: 7.8"L x 0.8"Dia.

305218CJ/305226CJ: Size: 13"L x 1.0"Dia.

Part No.	Description	1	10
19254CJ	Electric desolder pump	$26.95	$23.95
19166CJ	Manual desolder pump	4.95	4.49
305218CJ	Manual desolder pump	18.95	17.99
305226CJ	Man. desolder pump (ESD safe)	14.75	13.99
19262CJ	1 tip for 19254CJ	4.95	4.49
22091CJ	2 tips for 19166CJ	4.49	3.95
307774CJ	1 tip for 305218CJ	4.55	4.35
307782CJ	1 tip for 305226CJ	2.39	2.27

Solder Spool & Iron Stand



- 4 pc. spool stand (some assembly required)
- Shaft diameter: 0.6"
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Weight: 2.0 lbs.

Part No.	Description	1	10	100
169551CJ	Spool & iron stand	$16.95	$15.29	$13.75

Solder Spool Stand



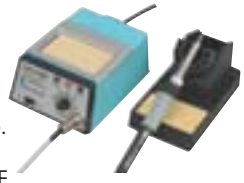
- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6"
- Weight: 1.6 lbs.

Part No.	Description	1	10	100
141760CJ	Solder spool stand	$8.95	$7.95	$6.95

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

60-Watt Analog Display Soldering Station



Maintains a steady temperature using a cartridge heating element, providing a longer life for the solid soldering tip.

- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes
- Size: 4.3"W x 6.0"D x 3.4"H • Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115CJ, pg 249)

236460CJ: Replacement sponge
168583CJ: Tip .078" for 168401CJ, pg 249
168591CJ: Tip .590" for 168401CJ, pg 249

Part No.	Product No.	1	10	25
236110CJ	168-3C	$89.95	$79.95	$72.95
236460CJ	78-744615	2.99	2.69	2.49
168583CJ	46-060102	11.95	10.79	9.69
168591CJ	46-060115	12.95	11.69	10.49

42-Watt Controlled-Output Soldering Station



- Transformer powered soldering station complete with macro style, low voltage, temperature controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components • 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Soldering iron and PTA7 tip (below)

Part No.	Prod. No.	Description	1	10
170552CJ	WTCPT	Solder station	$129.95	$124.95
192161CJ	TC201T	Replac. iron	68.95	62.05
192170CJ	PTA6	.062" screwdriver tip (600˚F)	6.95	6.25
192188CJ	PTA7	.062" screwdriver tip (700˚F)	5.69	5.15
192196CJ	PTA8	.062" screwdriver tip (800˚F)	5.69	5.15

Vacuum Pen Tools



207239CJ 207247CJ

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less

207239CJ: 4 tips and cups
207247CJ: Aluminum body; 6 tips and cups

Part No.	Description	1	10	25
207239CJ	Handivac tool	$19.99	$17.99	$16.19
207247CJ	Pen vac tool	37.95	34.25	30.49

Weller® 40-Watt Soldering Station



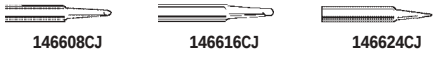
- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temperature is electronically controlled from 350°F to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

Includes: ST3 1/8" screwdriver tip, soldering station and manual

Part No.	Prod. No.	Description	1	10
146595CJ	WLC100	Soldering station	$48.95	$44.09

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23



146608CJ 146616CJ 146624CJ

Part No.	Prod. No.	Description	1	10
146608CJ	ST1	Screwdriver tip 1/16"	$5.95	$5.35
146616CJ	ST3	Screwdriver tip 1/8"	5.95	5.35
192145CJ	ST6	Screwdriver tip .031"	5.25	4.75
146624CJ	ST7	Conical tip 1/32"	5.95	4.95

50-Watt Analog & Digital Display Soldering Stations



Innovative heater and sensor combination for quick heat-up and rapid temperature recovery

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temperature lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350˚F to 850˚F
- Temp. accuracy: ±9.0˚F
- ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

217461CJ



233533CJ

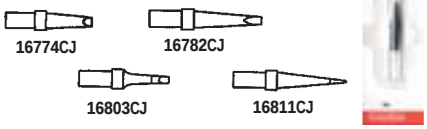
Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description	1	10
217461CJ	WES51	Analog	$115.95	$105.95
233533CJ	WESD51	Digital	158.95	150.99

Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered



16774CJ 16782CJ 16803CJ 16811CJ

Part No.	Prod. No.	Description	1	10
16774CJ	ETA	Screwdriver 1/16"	$6.95	$6.25
16782CJ	ETJ	Long screwdriver 1/32"	6.95	6.25
16803CJ	ETR	Narrow screwdriver 1/16"	6.95	6.25
16811CJ	ETS	Long conical 1/64"	6.95	6.25

65-Watt Soldering Station with Micro Soldering Pencil



The micro soldering pencil has the shortest tip-to-grip distance on the market today, giving you excellent control by putting you closer to the work. The heating element is contained in the pencil rather than the tip so you do not throw away a good heater every time you wear out a tip.

- Fast heat-up and thermal recovery
- Tips are secured to the pencil by use of a threaded end, eliminating the use of a barrel nut
- Temperature is reduced to 300˚F (150˚C) when pencil is not used for 20 minutes. Unit is switched off after 60 minutes of inactivity
- ESD safe to protect sensitive components
- Voltage: 120V input; 24V output
- Temperature range: 150˚F-850˚F (66˚C-454˚C)
- Temperature accuracy: ±9˚F (±5˚C)
- Temperature stability: ±10˚F (±6˚C)

Includes: WSLPU power unit, WMP soldering pencil with NT1 tip, and WMPH iron stand

Part No.	Product No.	1	5
227408CJ	WSL	$255.95	$237.95

Weller® Soldering Tips

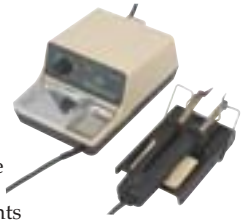
Replacement Tips for WSL



233576CJ 233550CJ 233541CJ

Part No.	Prod. No.	Description	1	5
233576CJ	NT1X	0.8mm bent round	$10.45	$9.91
233550CJ	NTA	0.6mm chisel	7.59	7.25
233541CJ	NT1	0.25mm micro	9.99	8.29

SMD Rework Station



Engineered to meet the demanding needs of today's electronic industry, technician service/repair centers, and assembly work. With this system, replacement of surface mount devices or dual-in-line components is a snap. It not only increases productivity in SMD assembly repair, but achieves a new standard of quality, superior performance, and ease of operation.

- High-performance, inexpensive, versatile
- Adjustable temp.: 250˚C - 450˚C (482˚F - 842˚F)
- Thermocouple sensor for stable temperature
- Long-life ceramic heating element
- Rapid heat-up and recovery
- 40W station, 25W ceramic element
- Size: 7.4"L x 5.0"W x 3.3"H • Weight: 2.6 lbs.

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629CJ	Rework station	$89.95	$80.99	$72.85
168583CJ	.078" tip	11.95	10.79	9.69
168591CJ	.590" tip	12.95	11.69	10.49

45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.



Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description	1	10	25
229673CJ	XYT379-C	45-Watt soldering station	$59.95	$53.95	$48.95
156814CJ	XYB01	Sharp conical chisel 1/32" tip	4.95	4.49	3.95
156822CJ	XYB04	Conical chisel 1/16" tip	4.95	4.49	3.95
134631CJ	SP715	Replacement sponge	2.99	2.69	2.49

60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.

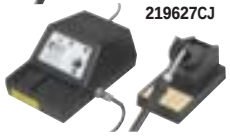
- Temperature is maintained at ±6°F
- Electronic temperature control from 392° to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H • Weight: 4.8 lbs.

ESD Safe!



236101CJ

168401CJ



219627CJ

Special 5% Bundle Savings
Complete ISO 9000 digital station –
P/N 236101CJ & 125508CJ
Sold separately $409.90
Combined: P/N 207263CJ
$388.95

Includes: One 1/16" tip (P/N 35115CJ – below)

Part No.	Product No.	Description	1	10	25
236101CJ	XY9-60D/ESD	Digital soldering station – ESD safe	$109.95	$99.95	$89.95
219627CJ	XY9-60A	Analog soldering station	99.95	89.95	79.95
168401CJ	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583CJ	46-060102	Tip .078" for P/N 168401CJ	11.95	10.79	9.69
168591CJ	46-060115	Tip .590" for P/N 168401CJ	12.95	11.69	10.49
236460CJ	78-744615	Replacement sponge for both stations	2.99	2.69	2.49

60-Watt Desoldering & Solder/Desoldering Stations



125508CJ



125516CJ

- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes



223853CJ

125508CJ:
- Size: 9.2"L x 7.2"W x 3.6"H
- Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

125516CJ/223853CJ: Size: 11"L x 10"W x 4.0"H; Wt.: 18.1 lbs.
Includes: XYD12 tip, solder holder, tip cleaner and tweezers

223853CJ: Dual display of tip temperature with selector switch for °C or °F and read/set temperature

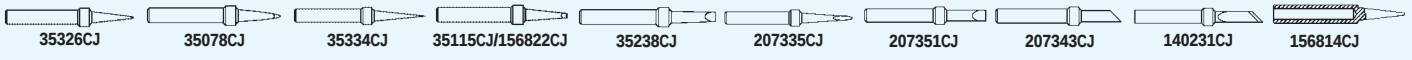
Part No.	Product No.	Description	1	10	25
125508CJ	968	Desoldering station	$299.95	$269.99	$242.99
125516CJ	988	Solder/desoldering station	399.95	359.99	323.99
223853CJ	988D	Solder/desoldering (dual display)	459.95	413.95	372.55
207271CJ	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
207221CJ	D1A60A	Replacement desoldering iron	74.95	63.71	58.20
168583CJ	46-060102	Tip .078" for P/N 207271CJ	11.95	10.79	9.69
168591CJ	46-060115	Tip .590" for P/N 207271CJ	12.95	11.69	10.49
236460CJ	78-744615	Replacement sponge for all stations	2.99	2.69	2.49

Replacement Sponges for Legacy Models

Part No.	Product No.	For Station	1	10	100
134640CJ	SP815	168-3C	$2.99	$2.55	$1.95
134631CJ	SP715	XY-60D, XY-379 & P/N 229673CJ	2.99	2.69	2.49

See page 252 & 253 for chemicals & other accessories to assist you in your soldering projects.

Tips & Replacement Parts for XYTronic Soldering and Desoldering Products

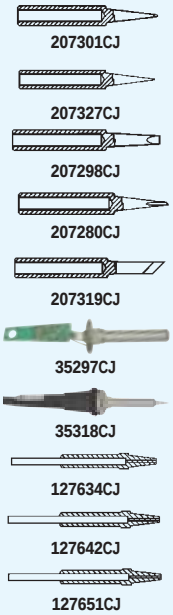


35326CJ | 35078CJ | 35334CJ | 35115CJ/156822CJ | 35238CJ | 207335CJ | 207351CJ | 207343CJ | 140231CJ | 156814CJ

Quantity SAVE

For XYTronic Model Numbers (*Legacy Models)

Part Number	Product Number	Description	136ESD	160*	200CH, 200PHG	379	AESD*, IDESD	XY960AI	960D*	968	988	988SDA*	JSI258*	168-3C	2560*	Pricing 1	10	25
35326CJ	XY401	Soldering tip - conical bevel 1/32"		✓	✓		✓	✓	✓			✓	✓	✓		$4.49	$3.95	$3.65
35078CJ	XY402	Soldering tip - semi-chisel 1/32"		✓	✓		✓	✓	✓			✓	✓	✓		4.49	3.95	3.65
35334CJ	XY403	Soldering tip - conical sharp 1/64"		✓	✓		✓	✓	✓			✓	✓	✓		4.49	3.95	3.65
35115CJ	XY404	Soldering tip - conical chisel 1/16"		✓	✓		✓	✓	✓			✓	✓	✓		4.49	3.95	3.65
35238CJ	XY405	Soldering tip - semi-chisel wide 1/8"		✓	✓		✓	✓	✓			✓	✓	✓		4.49	3.95	3.65
207335CJ	XY406	Soldering tip - long conical chisel 3/64"		✓	✓		✓	✓	✓			✓	✓	✓		2.95	2.69	2.39
207351CJ	XY410	Soldering tip - chisel 3/16"		✓	✓		✓	✓	✓			✓	✓	✓		2.95	2.69	2.39
207343CJ	XY411	Soldering tip - wedge 3/16"		✓	✓		✓	✓	✓			✓	✓	✓		2.95	2.51	1.88
140231CJ	XY430	Soldering tip - SMD flat pack 7/32"		✓	✓		✓	✓	✓			✓	✓	✓		8.95	7.95	7.25
156814CJ	XYB01	Soldering tip - sharp conical chisel 1/32"	✓			✓					✓					4.95	4.49	3.95
207301CJ	XYB02	Soldering tip - conical semi-sharp 1/32"	✓			✓					✓					4.95	4.49	3.95
207327CJ	XYB03	Soldering tip - conical sharp 1/64"	✓			✓					✓					4.95	4.49	3.95
156822CJ	XYB04	Soldering tip - conical chisel 1/16"	✓			✓					✓					4.95	4.49	3.95
207298CJ	XYB05	Soldering tip - semi-wide chisel 1/8"	✓			✓					✓					4.95	4.21	3.16
207280CJ	XYB06	Soldering tip - long conical chisel 3/64"	✓			✓					✓					4.95	4.49	3.95
207319CJ	XYB30	Soldering tip - wedge blade 3/16"	✓			✓					✓					8.95	7.65	5.75
35297CJ	XY37	Heating element- (nichrome)		✓	✓		✓					✓		✓		20.95	18.95	16.95
35318CJ	XY48	Assembly - 60W w/ nichrome heater		✓	✓		✓					✓		✓		30.95	27.95	24.95
127634CJ	XYD10	Desoldering tip - 1.0mm (.0394")							✓	✓		✓				8.95	7.95	7.25
127642CJ	XYD12	Desoldering tip - 1.2mm (.0472")							✓	✓		✓				8.95	7.61	5.71
127651CJ	XYD15	Desoldering tip - 1.5mm (.0586")							✓	✓		✓				8.95	7.95	7.25



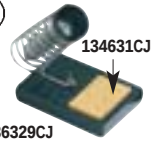
207301CJ | 207327CJ | 207298CJ | 207280CJ | 207319CJ | 35297CJ | 35318CJ | 127634CJ | 127642CJ | 127651CJ

Test/Tools

Color Code Legend
New Sale Lower$ QtySave

16 to 30-Watt Variable Soldering Iron, Stand & Sponge


116572CJ


134631CJ

36329CJ

116572CJ:
- Length: 7.5"

36329CJ:
- Black anodized steel base – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631CJ)
- Fits most soldering irons .85" diameter

Includes: Sponge

Part No.	Description	1	10	100
116572CJ	Soldering iron	$16.95	$15.29	$13.75
36329CJ	Soldering stand	4.95	4.46	4.01
134631CJ	Sponge (for P/N 36329CJ)	2.99	2.69	2.49

Thermally Balanced 25-Watt Soldering Iron



The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 249) • UL listed
- Length: 8.0" • One-year warranty

Includes: 1.6mm conical tip

Part No.	Description	1	10	25
129040CJ	25W solder. iron	$11.49	$10.35	$9.35

High-Quality 25-Watt & 35-Watt Soldering Irons


170587CJ


192153CJ

- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"
- 120VAC @ 60Hz

Includes: Power cord & ST3 tip (pg 248).

Part No.	Product No.	Description	1	10
170587CJ	WP25	25W solder iron	$32.95	$31.35
192102CJ	WP35	35W solder iron	39.95	35.95
192153CJ	PH25	Solder iron stand	16.95	16.19

100-Watt Soldering Iron


192081CJ

- "Closed loop" method of controlling maximum tip temperature
- Nominal heat-up time with 700˚F tip is 110 seconds • 120VAC @ 60Hz input
- Length: 6" • Weight: 0.7 lbs.

Includes: CT6F7 (0.375" screwdriver tip; 700˚F)

Part No.	Prod. No.	Description	1	5
192081CJ	W100PG	Solder iron	$62.95	$59.79
192090CJ	CT6F7	.375" scrwdrvr tip	8.59	7.75

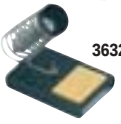
Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Special! Low-Cost Irons

30-Watt Soldering Iron and Stand


102461CJ


36329CJ

- UL approved
- Ideal for precision work
- 1/4" removable tip
- Length: 8.3"
- 110-120VAC

Part No.	Description	1	10	100
102461CJ	30W soldering iron	$4.99	$4.49	$4.04
116020CJ	Replacement tips (2)	2.25	1.91	1.43
36329CJ	Soldering stand	4.95	4.46	4.01

35-Watt Soldering Iron


208987CJ

208995CJ

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1"
- 110-120VAC

Part No.	Description	1	10	100
208987CJ	35W soldering iron	$2.99	$2.69	$2.45
208995CJ	Replacement tips (2)	.99	.89	.67
209074CJ	Solder roll, 8mm (.031")	5.49	4.94	3.95

Economical, High-Performance Soldering Irons



High-quality soldering irons that are suitable for both professional and do-it-yourself applications.

- 25W, 40W, & 60W • Length: 9"
- 120VAC; 6' cord with 3-prong plug

Tips for 224611CJ/224602CJ:
226000CJ chisel; **226018CJ** conical

Tips for 195223CJ:
226026CJ chisel; **226034CJ** conical

Part No.	Product No.	1	10	25
224611CJ	200PHG-25W	$7.95	$6.76	$5.07
224602CJ	200PHG-40W	8.95	8.06	7.25
195223CJ	200PHG-60W	13.95	12.49	12.11
226000CJ	44-240517 tip	.95	.85	.79
226018CJ	44-240513 tip	.95	.81	.61
226026CJ	44-240617 tip	1.95	1.66	1.24
226034CJ	44-240603 tip	1.95	1.66	1.24

SMD Tweezer Iron


168410CJ


168583CJ

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760˚F
- Heater insulation exceeds 100MΩ • 120VAC
- Heater power consumption: 35W ea.

Includes: 0.095" tip

Part No.	Description	1	10	25
168410CJ	Tweezer iron	$59.95	$53.95	$48.95
168583CJ	Tip .078"	11.95	10.79	9.69
168591CJ	Tip .590"	12.95	11.69	10.49

Check our website for more products.
www.Jameco.com

Butane-Powered Cordless Soldering Iron and Tips


255265CJ

262107CJ 255290CJ 255302CJ 255311CJ

255329CJ 255337CJ 255361CJ 255370CJ

This butane-powered soldering iron is designed for many popular cordless applications. Most common are automotive repair, aviation, electrical components, field repair, shrink tubing, television repair and more.

- Cordless, simple operation in the shop or field
- No electrical interference
- Automatic ignition
- Up to 200 minutes of operation in a full load
- Soldering temperature range: 240˚F to 1000˚F
- Torch temperature: 2400˚F

Part No.	Prod. No.	Description	1	5
255265CJ	PRO-120	Soldering iron	$44.95	$42.69
262107CJ	S-30	Tip, deflector	1.19	1.09
255273CJ	PS-1	Tip, 1/32" flat	8.99	8.75
255290CJ	PS-2	Tip, 3/32" flat	8.99	8.75
255302CJ	PS-3	Tip, 1/8" flat	8.99	8.75
255311CJ	PS-4	Tip, 3/16" flat	8.99	8.75
255329CJ	PS-5	Tip, 1/32" chisel	8.99	8.75
255337CJ	PS-6	Tip, 3/32" chisel	8.99	8.75
255361CJ	PS-9	Tip, hot knife	8.99	8.75
255370CJ	PS-10	Tip, hot blower	8.99	8.75

Weller® Cordless Soldering Iron Kit



- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Prod. No	Description	1	5
152207CJ	PSI-100K	Tool kit	$79.95	$75.95

WAHL® Cordless Soldering Iron

The #1 choice for field service soldering!

IsoTip® Power Pro Model #7904

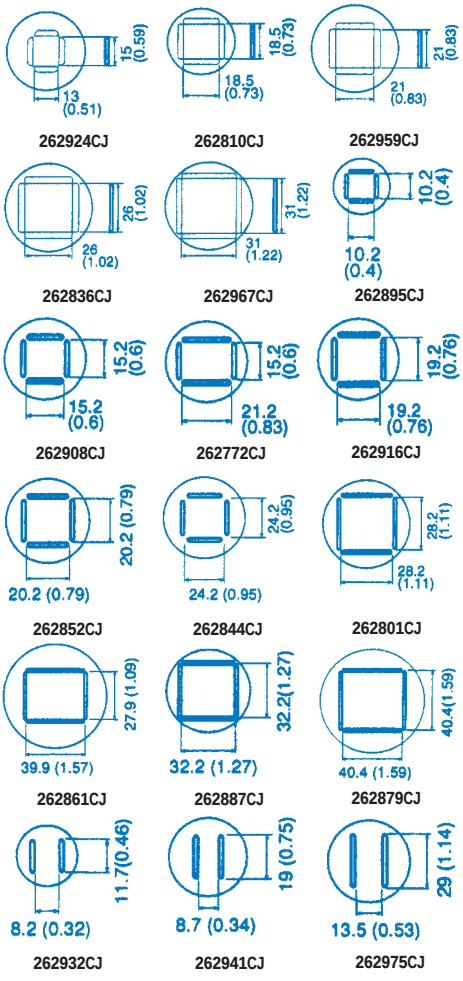


- 900˚F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.

Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No.	Description	1	10
132783CJ	Power Pro cordless iron	$61.95	$58.85

Focus Hood Tips
Dimensions: mm (in.)



Hot Air SMD Rework Station with Digital Display

The Hot-Air SMD 850D is engineered to meet the demanding needs of today's electronic industry; technicians, service/repair and assembly rework. The system not only increases productivity for SMD assembly and repair but also achieves a new standard of quality.



- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Adjustable air-flow
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Hot air temperature range: 100˚ - 385˚C (212˚ - 725˚F)
- Size: 7.4"W x 9.6"D x 5.0"H
- 25W diaphragm pump
- Weight: 10.8 lbs.

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895CJ and 262908CJ)

Part No.	Product No.	Description	1	5
262705CJ	850D	Hot air SMD rework station with 4 focus hood tips	**$395.05**	**$375.25**
262983CJ	HG850D	Heat gun replacement	**78.95**	**74.95**
262924CJ	A1141B	Focus hood tip, PLCC 11.5 x 14	**34.95**	**33.25**
262810CJ	A1135B	Focus hood tip, PLCC 17.5 x 17.5	**34.95**	**33.25**
262959CJ	A1136B	Focus hood tip, PLCC 20 x 20	**49.95**	**48.29**
262836CJ	A1137B	Focus hood tip, PLCC 30 x 30	**49.95**	**48.29**
262967CJ	A1138B	Focus hood tip, PLCC 30 x 30	**49.95**	**48.29**
262895CJ	A1125B	Focus hood tip, QFP 10 x 10	**34.95**	**33.25**
262908CJ	A1126B	Focus hood tip, QFP 14 x 14	**34.95**	**33.25**
262772CJ	A1128B	Focus hood tip, QFP 14 x 20	**34.95**	**33.25**
262916CJ	A1127B	Focus hood tip, QFP 17.5 x 17.5	**34.95**	**33.25**
262852CJ	A1261B	Focus hood tip, QFP 20 x 20	**49.95**	**48.29**
262844CJ	A1182B	Focus hood tip, BQFP 24 x 24	**49.95**	**48.29**
262801CJ	A1129B	Focus hood tip, QFP 28 x 28	**49.95**	**48.29**
262861CJ	A1263B	Focus hood tip, QFP 28 x 40	**79.95**	**75.95**
262887CJ	A1265B	Focus hood tip, QFP 32 x 32	**79.95**	**75.95**
262879CJ	A1264B	Focus hood tip, QFP 40 x 40	**79.95**	**75.95**
262932CJ	A1258B	Focus hood tip, SOP 7.6 x 12.7	**34.95**	**33.25**
262941CJ	A1260B	Focus hood tip, SOP 8.6 x 18	**34.95**	**33.25**
262975CJ	A1259B	Focus hood tip, SOP 13 x 28	**49.95**	**48.29**

Vises

Vacuum Vise



- Features the patented "split ball" that tilts, turns and rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs.
- One-year warranty

Part No.	Product No.	1	5
262115CJ	GV-300	**$47.19**	**$44.85**

Hobby Table Vise

Made of aluminum die cast construction, this is an ideal tool for the hobbyist.



- Jaw width: 2.4"
- Maximum opening: 2.0"
- Clamps to any surface up to 1" thick

Part No.	Description	Wt. (lbs.)	1	5
262001CJ	Hobby vise	1.0	**$6.75**	**$6.35**

Clamp Vise



- Lightweight, sturdy construction
- No tools needed – finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W

Part No.	Description	Wt. (lbs.)	1	10
127167CJ	Clamp vise	2.1	**$17.95**	**$16.99**

PANAVISE Electronic Work Center

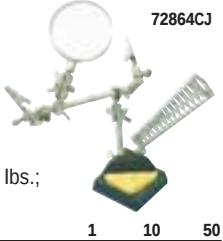


- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty

Part No.	Description	1	5	10
27060CJ	Electronic center	**$74.95**	**$71.25**	**$66.95**

Third Hand

72864CJ



- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: P/N 26690CJ: 0.7 lbs.; P/N 72864CJ: 1.4 lbs.

Part No.	Description	1	10	50
26690CJ	Third hand	**$5.95**	**$5.35**	**$4.79**
72864CJ	W/ soldering holder	**7.95**	**7.19**	**6.49**

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.
1-800-831-4242



Test/Tools

PANAVISE Vacuum Base Vise



An exceptionally lightweight, portable vice that firmly attaches to any flat, smooth, non-porous surface. A single knob locks the head into position, while a second locks the arm at any angle you select. This vise will hold any item weighing up to 3 pounds.

- Head moves through three planes: 210˚ tilt, 360˚ turn and rotation
- Grooved jaws are excellent for holding small objects and are made of reinforced thermal alloy and opens up to 2.9"
- Fine/coarse adjustment knobs control jaw pressure
- Arm movement is 140˚; positive indents control movement to prevent "flopping"
- Lever locks vacuum pad into place on any flat, smooth, non-porous surface
- Jaw size: 2"H x 1"W
- Base diameter: 3.4"
- Overall height: 7.5"H
- Weight: 0.8 lbs.

Part No.	Product No.	1	10
251791CJ	209	$32.49	$30.99

PANAVISE Vacuum Vise



- Features the patented "split ball" that tilts, turns and rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs.
- One-year warranty

Part No.	Product No.	1	10
27131CJ	M381	$55.95	$53.25

PANAVISE PV Jr. Vise



- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350˚F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- The vise neck tilts, turns and rotates
- Vise height: 6.8"
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs.
- One-year warranty

Part No.	Description	1	10
134439CJ	Jr. vise w/ mountable base	$21.95	$19.95

Soldering Tip Cleaner with Stand and Rosin Paste Flux



156777CJ



73584CJ

156777CJ:

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

73584CJ: Highly active non-corrosive and non-conductive flux with excellent wetting action

Part No.	Description	1	10	50
156777CJ	Tip cleaner & stand	$4.95	$4.49	$4.05
160004CJ	Metal wool replacement	2.79	2.49	2.29
73584CJ	Rosin paste flux (2 oz.)	2.95	2.36	1.77

For additional tools see pages 239 - 245.

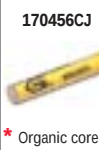
Rosin Core Solder Rolls and Pocket Packs



141778CJ



32117CJ



170456CJ



73576CJ

* Organic core

Part No.	Mfr.	% Composition Tin	Lead	Silver	Dia. (In.)	Wt. (lbs.)	Pricing 1	10	50	100
73576CJ	Kester (pak)	60	40	0	.031	0.04	$2.59	$2.33	$1.86	$1.40
32117CJ	Kester	60	40	0	.031	1.00	13.19	11.89	10.69	9.59
73605CJ	Kester (pak)	62	36	2	.020	0.10	$1.75 1.25	.99	.94	.89
112344CJ	Kester	63	37	0	.020	1.00	18.99	16.06	14.99	14.24
151474CJ	Kester*	63	37	0	.031	1.00	17.69	15.95	14.35	12.89
170456CJ	Golden	60	40	0	.031	0.06	1.39	1.25	1.05	.99
141794CJ	Super	60	40	0	.031	0.55	5.95	5.39	4.85	4.35
141786CJ	Super	60	40	0	.031	1.10	7.95	6.95	6.25	5.59
141778CJ	Super	60	40	0	.031	2.20	13.95	12.95	11.95	10.95

Lead-Free Solder Tip Tinner



Prevents oxide buildup and tin depletion on the tip. Increases tip life and heat transfer resulting in a better solder joint!

Safe and Effective!

- 0.7 oz. tin with self adhesive pad

Part No.	Description	1	10	50
132986CJ	Lead-free tip tinner	$4.95	$4.59	$4.19

TECHSPRAY 5' No-Clean Desolder Braids



139951CJ 124126CJ

Meets all of the most stringent soldering standards for worldwide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.

- Length: 5'

Part No.	Description	1	10	100
139951CJ	.030"W desolder braid	$2.25	$1.95	$1.75
124126CJ	.060"W desolder braid	2.35	2.15	1.95
124118CJ	.075"W desolder braid	2.39	2.15	1.95
263708CJ	.098"W desolder braid	2.59	2.35	2.23

5' Desoldering Braids



41099CJ

- Easy-to-use, handy dispenser
- Braided copper with flux

Part No.	Description	1	10	100
41081CJ	.079"W braid (5')	$1.49	$1.27	$.95
41099CJ	.098"W braid (5')	1.55	1.29	1.15
153461CJ	.120"W braid (5')	1.59	1.39	1.25

TECHSPRAY ProWick® Desoldering Braid

Pure Rosin



263695CJ

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.

- 263581CJ with bobbin
- Length: 5'

Part No.	Product No.	1	10	100
263695CJ	1803-5F (0.075"W)	$1.95	$1.77	$1.68
263599CJ	1804-5F (0.098"W)	2.09	1.89	1.79
263581CJ	1811-5F (0.098"W)	2.39	2.19	2.09

JAMECO BenchPro Soldering Gun



This soldering gun with nozzle guide for solder is perfect for soldering through-hole components. Trigger action pulls out solder from the back of the soldering gun to the tip for the exact amount of solder.

- Power consumption: 40W
- 120 VAC
- Solder entrance at the back of gun accepts 0.8mm to 2.3mm diameter solder
- Single hand operation
- Lightweight
- Size: 7.5"L x 1.4"W x 5.9"H
- Weight: 0.7 lbs.

Part No.	Description	1	10	25
319169CJ	Single feed soldering gun	$37.15	$33.19	$31.55

Clip-On Heat Sink



- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W

Part No.	Mfr. Cross Ref. No.	1	10	25
159126CJ	HT156	$2.65	$2.25	$1.69

Heat Sink and 7-Piece Soldering Aid Kit



100378CJ





100503CJ

Quantity SAVE

100378CJ: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts
100503CJ Includes soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	50
100378CJ	Heat sink	$.89	$.76	$.57
100503CJ	Soldering kit	4.15	3.95	3.76

XYTRONIC Plastic Pump Bottle

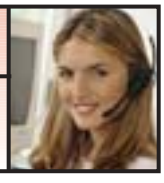


- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover

Part No.	Description	1	10	50
158131CJ	Pump bottle	$9.95	$8.95	$7.95

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages @ www.Jameco.com.



Heat Sink Compound

- 1 gram tube
- 5/pack
- Color: white gel



Part No.	Mfr. Cross Ref. No.	1	10	25
259151CJ	NTE303	$1.65	$1.55	$1.48

Heat Sink Compound

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.



236822CJ

- Color: opaque white

Part No.	Mfr. Cross Ref. No.	1	10	100
167249CJ	THM250 (2 oz.)	$9.95	$8.96	$8.06
236822CJ	54114 (1 oz.)	4.95	4.21	3.16

Heat Sink Compound 4-oz. Tube

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.

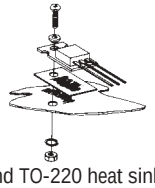


TECHSPRAY

Part No.	Product No.	1	10
169252CJ	1978DP	$16.95	$15.22

Heat Sink Mounting Kits

34121CJ



34139CJ



- TO-3 and TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121CJ	TO-220	5 pcs per kit	$3.95	$3.55	$3.19
34139CJ	TO-3	12 pcs per kit	3.95	3.59	3.25

DATAK Direct Etch PCB "Starter" Set

Includes: 4 blank circuit boards, dry concentrated ferric chloride etchant, instructions, 8 sheets of direct etch donuts, DIP, patterns, lines and 1/32" & 1/16" etch resist tape.



Part No.	Product No.	Wt. (lbs.)	1	10
70412CJ	ER1	0.7	$11.95	$10.95

DATAK Pre-Sensitized Circuit Boards & Developer

- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16"T

Includes: Instructions

156751CJ



Part No.	Description	Wt. (lbs.)	1	10	25
156751CJ	Single sided	—	$4.95	$4.49	$3.95
156742CJ	Double sided	—	6.49	5.85	5.25
156734CJ	4 oz. Pos. developer*	0.6	6.95	5.95	4.95

*Shipped via UPS ground to continental U.S. only

Acid Brush



- Used for application of reactive solvents

Part No.	Description	1	10	100	1000
153322CJ	Metal handle, 6"	$.65	$.59	$.47	$.35

Workshop Chemicals

TECHSPRAY

- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs



263530CJ 139934CJ 118033CJ 263564CJ 263572CJ 263548CJ 263556CJ

Envi•Ro•Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900CJ	10 oz. aerosol w/ trigger*	0.8	$8.49	$7.73
263530CJ	15 oz. aerosol w/ trigger*	0.8	11.15	10.68

Envi•Ro•Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F.

Part No.	Description	Wt. (lbs.)	1	12
139934CJ	10 oz. aerosol can*	0.8	$8.99	$7.99

ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041CJ	10 oz. flux remover*	0.8	$9.49	$8.55

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033CJ	10 oz. contact cleaner*	0.9	$8.95	$7.95

TechClean® Wiper

This hydro-entangled cellulose/polyester wipe has high absorbency with extra-low particulate and chemical extractables.

Part No.	Description	Wt. (lbs.)	1	12
263564CJ	100 sheet/pk	1.1	$15.59	$14.25

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572CJ	1 pint bottle*	1.1	$7.35	$6.69

*Shipped via UPS ground to continental U.S. only

Fine-L-Kote™ Silicone Conformal Coating

A type SR silicone resin conformal coating that has excellent moisture and fungus resistance properties, offers chemical resistance and is recommended for harsh environments. Contains Opti/Scan™ to allow for black light inspection.

Part No.	Description	Wt. (lbs.)	1	12
263548CJ	12 oz. aerosol can*	1.0	$16.79	$15.95

Fine-L-Kote™ Urethane Conformal Coating

As a urethane coating, this is highly resistant to most solvents, moisture, fungus, and molds. A clear, repairable coating, it is formulated with a black light indicator Opti/Scan, to provide checks for conformity in quality control.

Part No.	Description	Wt. (lbs.)	1	12
263556CJ	12 oz. aerosol can*	1.0	$15.45	$14.69

Flux Remover Pen

A unique combination of hydrocarbon solvents and alcohols makes it an excellent defluxer. This can also be used as an all-purpose cleaner for removal of light oils, silicones, waxes, greases, and similar contaminants.

Part No.	Product No.	Wt. (lbs.)	1	12
263724CJ	11.5 ml pen	0.1	$6.19	$5.61

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Links components
- Makes smooth jumpers
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716CJ	4.89 ml pen	0.1	$13.99	$13.29

Overcoat Green Pen

Designed to insulate printed circuit board traces and components against high voltage arcing, and provides protection from moisture. Configured for rework and repair where precision application is necessary.

- Protects conductive pen traces
- Repairs permanent solder mask

Part No.	Description	Wt. (lbs.)	1	12
263732CJ	5 ml pen	0.1	$10.35	$9.96

DATAK Photo Etch™ Printed Circuit Kit

Generate your own 1:1 artwork. Then use the patented Fast Neg film process to make a photo negative and sensitize and expose a blank copper board. Finish by developing & etching. No camera or darkroom is required.



Part No.	Product No.	Wt. (lbs.)	1	10
16731CJ	12-750*	4.6	$39.95	$36.95

DATAK Dry Concentrated Etchant



- Makes one pint of etch solution

Part No.	Product No.	1	10	25
70201CJ	ER3	$3.95	$3.49	$3.15

*Shipped via UPS ground to continental U.S. only

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.

Electro Design

Color Code Legend: New Sale Lower$ QtySave

Solderless Breadboards

JAMECO ValuePro

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77681CJ (pg 255).

A Jameco EXCLUSIVE

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry • 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty * WBU5 and JE series do not interconnect


20757CJ


20773CJ


20790CJ


20811CJ

Attention Educators! Buy jumper wire (pg 255) in bulk and SAVE! **(see Hook-up Wire on page 94)**

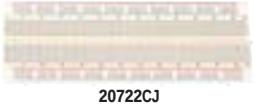
WBU5 Series Key Features:
- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:
- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19289CJ & 20079CJ, pg 255)
- Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)


20600CJ

94457CJ


20669CJ


20722CJ


136901CJ


77825CJ

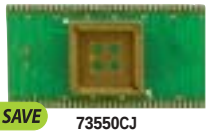
Part Number	Product Number	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing 1	10	50	100
94457CJ	JE19	0	1	100	0	6.5 x 0.4	—	0.04	$2.95	$2.65	$2.39	$2.15
20600CJ	JE21	1	2	400	0	3.3 x 2.1	—	0.13	5.25	4.73	4.25	3.83
20669CJ	JE22	1	0	630	0	6.5 x 1.4	—	0.20	5.49	4.95	4.49	3.95
194280CJ	JE35	1	1	740	0	6.9 x 2.1	—	0.23	8.95	8.06	6.44	4.83
194298CJ	JE37	1	2	840	0	6.9 x 2.4	—	0.25	9.95	8.96	7.16	5.37
194255CJ	JE38	1	2	970	4	2.9 x 5.6	4.9 x 6.3	0.50	16.95	15.26	12.20	9.15
20722CJ	JE23	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.39	8.45	7.61	6.85
194271CJ	JE34	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	15.95	14.36	11.48	11.04
20757CJ	JE24	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.65	12.28	11.06	9.95
136901CJ	WBU504*	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	22.99	20.99	18.99	16.99
20773CJ	JE25	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	19.95	17.95	16.16	14.54
20790CJ	JE26	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.29	24.56	22.10	19.89
20811CJ	JE27	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.59	30.23	27.21	24.49

Great Savings on Breadboard Test Leads

Part No.	Description	1	10	25
77825CJ	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 20 AWG wire, 5.9"L (15cm)	$12.95	$11.69	$10.49

PLCC Prototype Adapters

PLCC socket mounted on a circuit board for easy wire wrap or design prototyping. Solder masked PCB with 0.25" long leads.

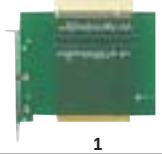

Quantity SAVE 73550CJ

- PCB construction • Gold-plated round pins
- Silkscreen numbers identify pin numbers in groups of 5 and 10 • Tin-plated PLCC connector
- PLCC socket identifies pin 1 and orientation key
- PLCC socket slotted for PLCC chip remover

Part No.	Pins	Size (L x W)	1	10	100
73541CJ	44	2.3" x 1.6"	$11.95	$10.79	$9.69
73550CJ	68	3.4" x 1.6"	15.95	13.56	10.17
73568CJ	84	4.3" x 1.9"	23.95	20.36	15.27

PCI-Bus Extender Card

- PCI bus
- Extends life of motherboard connectors
- Gold-plated fingers for long life
- Size: 5.9"L x 5.4"W



Part No.	Description	1	10
141381CJ	PCI-bus extender card	$74.95	$67.49

PCI-Bus Prototype Board

- All plated through holes
- 0.1" hole spacing
- 50 Mil power and ground grids
- Provision for wire wrap and bypass caps
- Impedance matched to bus specifications
- Easy access to every signal on the bus
- Size: 12.4"L x 5.0"W • Weight: 0.6 lbs.


SALE

Part No.	Description	1	10
141372CJ	PCI prototype bus board	$69.95	$62.96

Making Your Own Printed Circuit Board Book

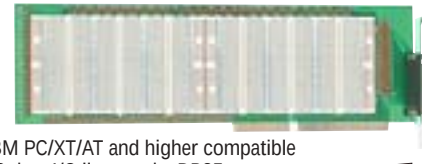
JV Enterprises No darkroom or special equipment needed. Shows steps for drilling and shaping your printed circuit board and the materials you will need. (91 pages)

- Size: 8.5" x 11" • Weight: 0.5 lbs.


SALE

Part No.	Description	Price
141524CJ	Making PCBs Book	$17.95

8/16-Bit ISA Solderless Plug-In Breadboard



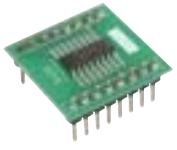
- IBM PC/XT/AT and higher compatible
- 62 data I/O lines and a DB25 female connector for interfacing to peripherals
- Twenty-four 14-pin IC capacity
- Clearly labeled bus lines
- 2,352 contact points
- Durable construction • One-year warranty
- Size: 13.8"L x 5.0"W • Weight: 1.0 lb.

Easy PC/XT/AT Prototyping!

SALE

Part No.	Description	1	10	25
81672CJ	8/16-bit breadboard	$49.95	$48.60	$47.24

For Jameco's Surface Mount Prototyping Boards
See page 257



Wire Jumper Kit (350 pcs.)



19289CJ

- 25 each 0.1" to 5.0" lengths (14 sizes)
- 350 assorted lengths in 13 colors
- Pre-stripped/preformed 22 AWG solid wire jumpers

19289CJ: 350-piece wire jumper kit
- Handy, durable, clear plastic case

20079CJ: 350-piece refill for 19289CJ
- Case not included

Part No.	Description	1	10	50	100
19289CJ	Wire jumper kit	$15.95	$14.39	$12.95	$11.65
20079CJ	Refill for 19289CJ	10.99	9.89	8.90	8.01

Reinforced Jumper Wires



126341CJ

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

Part Number	Mfr. Cross Ref. No.	Length (mm / inch)	1	10	100
126359CJ	JW50	50 / 1.97	$3.95	$3.49	$2.95
126341CJ	JW100	100 / 3.94	4.95	4.49	4.05
126324CJ	JW200	200 / 7.87	5.19	4.69	4.25

Resistance and Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

EXTECH INSTRUMENTS



211668CJ



211676CJ

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.

211668CJ:
- 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments

211676CJ:
- 5% capacitance substitution from 100pF to 11,111µF
- 5 decade ranges of capacitance

Part No.	Description	1	10
211668CJ	Resistance	$98.95	$93.95
211676CJ	Capacitance	128.95	122.45

Over 99% of Our Products Are In Stock



Place your order by 6PM EST for same business day shipment.

Digital/Analog Design Labs

- Two 7-segment displays (digit height: 0.3")
- One-year warranty

Solderless Breadboard
- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies
- DC supplies equipped with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)
- Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz
- Sine wave output: 0–8 Vp-p variable • Triangle wave output: 6Vp-p fixed • Square wave output: ±5V fixed

Our most popular digital lab!



75838CJ

International 115/220VAC Switchable



201890CJ

Part No.	Tie Points	Fixed Power Supply	Pulse Generator	Frequency Counter	Multimeter	Includes
75838CJ	1580	±5VDC @ 1.0A	No	No	DCV (Digital)	Power cord, manual
201890CJ	2960	±5VDC @ 0.5A	1Hz to 1MHz switchable	Yes	ACV, DCV, DCmA, resistance (analog)	Power cord, enclosed case, test lead, jumper wire kit, DB25 serial adapter, manual

Part No.	Description	Size (W" x D" x H")	Weight (lbs.)	1	10	25
75838CJ	Digital lab	10.6 x 13.3 x 5.0	8.1	$276.95	$249.95	$226.95
201890CJ	Digital/analog lab	13.9 x 12.8 x 4.9 (back panel)	11.8	429.95	365.46	305.56

Digital/Analog Design Lab

Solderless Breadboard
- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies
- Variable DC output: 0 to +15V & 0 to -15V @ 500mA
  Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Input power: 120/220VAC @ 50-60Hz (switchable)



International 120/220VAC Switchable

Function Generator • Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz • Sine wave output: 0–8 Vpp variable • Triangle wave output: 0–6 Vpp variable • Square wave output: 0–8 Vpp variable

Other features:
- 2 variable resistors: VR1=1kΩ, VR2=100kΩ • 8 data switches • 2.5" dia. 8Ω, 25W speaker
- 2 pulse switches (2 sets of outputs: $\overline{A}$, A, $\overline{B}$, B) • 2 banana sockets, 2 BNC jacks • One-year warranty
- Two 7-segment LED displays (digit height: 0.3") • 8 red LEDs with separate input terminals

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136266CJ	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	$379.95	$341.99	$307.79
319214CJ	Replacement breadboard	6.7 x 6.5 x 0.4	0.5	24.45	22.28	21.16

Powered Project Board



- Solderless breadboard with 2420 tie points
- DC power supplies: +5V @ 1A; variable power 0 to +15VDC and 0 to -15VDC @ 500mA
- Back panel has ground terminal
- Outputs are short-circuit protected
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103907CJ, pg 85
- Power switch with light
- Breadboard size: 7.4"L x 6.8"W
- Enclosure size: 9.8"L x 8.0"W x 2.6"H
- Weight: 6.8 lbs. • One-year warranty

International 120/220VAC Switchable

Includes: Power cord

Part No.	Description	1	10	25
136258CJ	Powered breadboard	$99.95	$89.95	$87.95

AC/DC Power Supply

Ideal for Breadboards on previous page



International 120/220VAC Switchable

Output Specifications:
+5VDC @ 1A;
-5V @ 300mA fixed;
0 to +15VDC @ 500mA variable,
0 to - 15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC,
300mA fixed

With built-in short-proof regulated power supplies.
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in and start to use
- Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77841CJ, pg 234
- Size: 7.4"W x 5.5"D x 2.6"H • Color: beige
- Weight: 5.5 lbs. • One-year warranty

Part No.	Description	1	10	25
77681CJ	Power supply	$119.95	$109.95	$99.95



See pages 232 – 233 for Jameco's complete selection of Benchtop Power Supplies.



General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.08" pad size
- Plated through pads are double-sided
- 0.1" hole spacing
- PCB material epoxy glass


206578CJ


21434CJ


52943CJ


21477CJ

A Jameco EXCLUSIVE


106551CJ

Board Outline



Circuit Patterns


A
Holes Only


B
Pad Per Hole


C
Power/Ground Perimeter Bus with Pad Per Hole


D
3 Hole Solder Pad and Bus

See PCB enclosures on pg 258, mounting hardware (recommend P/N 106551CJ) below

Part Number	Product Number	Size (W" x L")	Fits Enclosure(s) (see page 256)	Circuit Pattern	Hole Pads	# Holes x Dia. †	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Weight (lbs.)	Pricing 1	10	50	100
105099CJ	2855PCB	1.60 x 2.70	18921CJ	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	$5.25	$4.73	$4.25	$3.83
105101CJ	5002PCB	1.50 x 3.50	11957CJ	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.26	5.00	3.75
263185CJ	PCB-403	1.80 x 3.10	18921CJ	B	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105128CJ	2853PCB	2.00 x 4.40	18913CJ, 11965CJ	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	7.95	6.95	6.25	5.59
105110CJ	2300PCB	2.40 x 3.40	11869CJ	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	6.95	6.25	5.59
263206CJ	PCB-463	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
263214CJ	PCB-858	2.50 x 4.50	18913CJ	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105152CJ	2851PCB	3.10 x 5.50	18892CJ	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	6.95
263222CJ	PCB-69	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105136CJ	2320PCB	3.30 x 4.50	11885CJ	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	9.95	8.95	7.95	6.95
105161CJ	2852PCB	3.60 x 7.00	18905CJ, 11973CJ	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	11.95	10.95
206586CJ	2746APCB	4.30 x 6.80	209349CJ	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	10.95	9.86	8.87	7.98
21434CJ	JE401(8001)	4.50 x 6.50	18868CJ	B/D	Single-sided	2360 x .042"	2	None	None	.12	21.95	19.76	17.78	16.00
21451CJ	JE405(8003)	4.50 x 6.50	18868CJ	C	Single-sided	2360 x .042"	1	None	None	.12	19.95	17.95	14.36	10.77
206578CJ	2743APCB	4.60 x 4.30	208910CJ	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.49	6.74	6.07	5.46
105179CJ	2505PCB	5.00 x 6.50	11893CJ, 18868CJ	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	14.95	13.49	11.95	10.95
21477CJ	JE407(8006)	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	41.19	37.07	29.66	22.24
206594CJ	2747APCB	5.50 x 8.00	209357CJ	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	14.99	13.49	10.79	8.09
105187CJ	2507PCB	6.10 x 8.80	18876CJ	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	29.95	26.96	21.56	16.17
263231CJ	PCB-7038	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	52.19	49.59	47.09
263249CJ	PCB-6088	9.20 x 13.0	N/A	B	Plated through	11,000 x .042"	10	None	13 x .115"	.50	55.95	52.19	49.59	47.09
Other Manufacturers — Great Deals														
28177CJ	PCB1	2.42 x 4.10	18913CJ	C	Plated through	674 x .040"	None	None	4 x .120"	.04	$5.95	$5.35	$4.79	$4.29
43140CJ	64P44XXXP*	4.50 x 6.50	18868CJ	A	Drilled only	2860 x .042"	None	None	None	.09	6.09	6.06	6.03	6.01
52943CJ	84P44WE	4.50 x 8.50	18876CJ	A	Drilled only	3740 x .042"	None	None	None	.15	9.55	9.49	9.45	9.42
37604CJ	169P44WE	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.31	16.25	15.66	15.06	14.47
37612CJ	169P44XXXP*	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	11.25	11.19	11.14	11.08
28193CJ	PCB3	5.00 x 8.00	18876CJ	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	21.95	19.76	17.78	16.22
37621CJ	169P84WE	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	22.89	22.79	22.69	22.54
106551CJ	**20 pieces** PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										1.79	1.65	1.45	1.35

* PCB material: phenolic † All 0.042" diameter hole boards use terminals T44, T49, and T421 (see below)

Wire Wrap and Push-In Terminals

VECTOR ELECTRONIC COMPANY

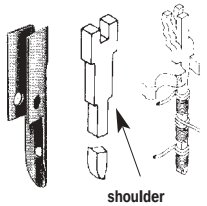
For .042" Diameter Holes

Specifications:
- Material: copper alloy
- Prebagged 100 pcs.

34147CJ: Push-In Micro-Klip Terminals
- Overall length: .36"
- Post size: .032" x .045"

34155CJ: Miniwrap Wiring Terminals
- Shoulder: .045"
- Two-prong with square tail for wire wrapping
- Overall length: .69"
- Post size: .025"Sq.

34163CJ: Klipwrap Wiring Terminals
- Shoulder: .045"
- Three-prong with square tail for wire wrapping
- Overall length: .83"
- Post size: .025"Sq.



34147CJ 34155CJ 34163CJ

Part Number	Product Number	Height Above .062" Board	Length Below .062" Board	100 pc. units 1	10
34147CJ	T421	.200	.097	$7.29	$6.95
34155CJ	T44	.065	.530	8.45	6.97
34163CJ	T49	.200	.530	11.89	11.19

Copper-Plated Blank Circuit Boards

Ideal for hobbyists and students doing prototypes of circuits. Copper plating on board for either single-sided or double-sided boards.
- 1.6mm thickness


Fig. 1


Fig. 2


Fig. 3

A Jameco EXCLUSIVE

Part No.	Product No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50
Single-Sided							
169279CJ	PCBS3X6	3.0 x 6.0	3	0.1	$3.49	$3.14	$2.51
169287CJ	PCBS6X6	6.0 x 6.0	2	0.2	4.95	4.46	3.56
169295CJ	PCBS12X12	12.0 x 12.0	1	0.5	13.49	12.14	10.93
Double-Sided							
169308CJ	PCBD3X6	3.0 x 6.0	3	0.1	$5.25	$4.73	$4.25
169316CJ	PCBD6X6	6.0 x 6.0	2	0.2	7.95	7.16	5.72
169324CJ	PCBD12X12	12.0 x 12.0	1	0.7	17.95	16.16	12.92

PT Series Prototyping Boards

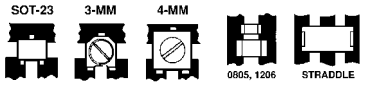
Designed to accommodate any mixture of 0.3" to 0.6" wide IC's with any number of pins, as well as any combination of resistors, capacitors, diodes, transistors, etc.
- 4 power buses that connect to a power jack (recommended P/Ns 101178CJ, 101186CJ & 265421CJ, pg 131)

Part No.	Mfr. Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
262511CJ	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	$24.75	$22.95	$21.79
262537CJ	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	32.49	30.89	29.35

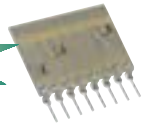

262511CJ


262537CJ

Surfboards®



Ideal for Prototyping!



207407CJ

Mini Breadboards for Surface Mount Devices

6000/6100 Series for Discrete Devices

- Universal large foil pattern areas accept a wide range of device footprints or can be modified to accept new footprints
- 0.1" pin spacing • Height: 0.5"

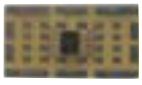
Quantity SAVE

Part No.	Product No.	Pins	Width	1	10
207423CJ	6103	3	0.3"	$1.39	$1.11
207407CJ	6008	8	0.8"	2.29	1.99
207431CJ	6109	9	0.9"	2.39	2.15
207415CJ	6010	10	1.0"	2.59	2.29

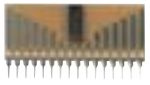
9000 Series for ICs

- Adapt SMD to thru-hole
- Size: 1.20"W x 0.65"H

207378CJ/207394CJ: 0.1" pin spacing



207360CJ



207394CJ

Part No.	Product No.	1	10
207360CJ	9081 (For 8-pin SOIC)	$1.35	$1.22
207378CJ	9082 (For 8-pin SOIC)	3.55	3.10
207386CJ	9161 (For 14/16-pin SOIC)	1.75	1.50
207394CJ	9163 (For 14/16-pin SOIC)	5.45	4.79

Application Specific Adapters

33000 series SURFBOARDS® convert SMD component footprints to SIP format. Compatible with conventional and solderless breadboards & sockets (.100" center pins).



207589CJ

Part No.	Product No.	Accepted Devices	Pins	1	10
207589CJ	33205	SOT-23-5/SC59-5	5	$1.75	$1.49
207597CJ	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	1.95	1.69

CHIPQUIK SMD 2000 Removal System

Complete Solder/Desolder Rework Kit

- Removal alloy, solder paste, 3' solder, paste flux, liquid flux remover/cleaner, handi vac, 2 acid brushes, precision tweezers, six 4" x 4" cleaning wipes, 10 swabs, 6 alcohol pads, SMD removal/clean up instructions, stainless steel probe kit & 5' solder wick



Part No.	Description	1	10
208055CJ	SMD 2000 removal system	$99.95	$94.99

CHIPQUIK SMD Removal Kit

- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5' of CHIPQUIK® material removes 1250-1500 SMD pins
- Uses simple equipment and materials for application & clean-up



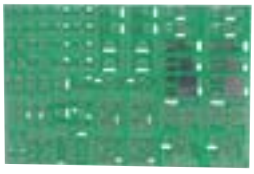
SALE

Part No.	Description	1	10
141305CJ	SMD removal kit	$19.99	$17.99

BELLIN DYNAMIC SYSTEMS, INC.

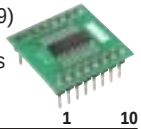
Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart solution from Bellin Dynamic Systems.



215491CJ

- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 119)
- Size: 7.6"L x 5.0"W • Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications



Small SMT

Part No.	Prod. No.	Description	1	10
215491CJ	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	$45.95	$41.35
227344CJ	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	45.95	41.35

SOIC

215520CJ	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	$45.95	$41.95
227310CJ	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.95	41.35
227328CJ	B511	63 SMT pattern, SOIC nrw/wd 8, 14, 16, 18. 20 to DIP .300"	45.95	41.35
227352CJ	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18. 20 to DIP .300"	45.95	41.35
227361CJ	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	41.35

Fine Pitch Dual Row

215503CJ	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	$45.95	$41.35
227281CJ	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	45.95	41.35
323889CJ	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
323900CJ	B517	18 SMT pattern, 0.65/0.5/0.4mm TSSOP-48 to DIP 0.600	62.49	56.25

Quad

SALE

215511CJ	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100 PLCC18, 20, 28, 32, 44	$45.95	$41.35
227336CJ	B512	24 SMT pattern, PLCC18, 20, 22, 28, 32, 44, 52, 68, 84 & 100	41.39	33.11
323918CJ	B518	2 SMT 0.65mm or 0.8mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
323926CJ	B519	2 SMT 0.4mm or 0.5mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
336479CJ	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
336487CJ	B531	8 SMT, 0.65/0.80mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	41.45
336495CJ	B532	8 SMT, 0.40/0.50mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
336508CJ	B533	8 SMT, 0.40/0.50mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	41.45

PCB Connector (0.062" thick through-hole)

227272CJ	B506	45 SMT pattern, USB A, B/1394/RJ11, 12, 45/DB9 PCB conn.	$45.95	$41.35

PitchStick™

227299CJ



227299CJ	B508	20 SMT pattern, 48 inline pads, metric/rare pitches	$45.95	$41.35
227301CJ	B509	20 SMT pattern, 48 inline pads, 50 & 25 mil pitches	41.39	31.00

See pages 11-13, 256, 259, 266 & 267 for more prototyping boards.

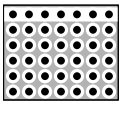
ISA Printed Circuit Prototyping Boards

A Jameco EXCLUSIVE

Printed circuit prototyping boards for virtually any application – including those requiring high component densities and solder or wire wrap connections. All boards are manufactured to precise standards and specifications. All bus and circuit patterns are solder-coated for user convenience.

- Edge contacts: gold

Circuit Pattern



Power/Ground Perimeter Bus with Pad Per Hole



21531CJ



28206CJ

Part Number	Product Number	Description	Size (Inches) W x L	Terminals (pg 256) T44	T49	T421	I/O Connector (not included)	Hole Pads	# Holes x Dia.	Power/ Ground Bus	# Mounting Holes x Dia.	Weight (lbs.)	Pricing 1	10	25
21531CJ	JE417	PC/XT 8-bit	4.2 x 6.50	yes	yes	yes	D-sub 9, 15, 25 & 37	Plated through	2126 x .042"	2	8 x .120"	.12	$19.95	$16.99	$14.65
28206CJ	PCB4	PC/XT/AT 16-bit	4.25 x 13.13	yes	yes	yes	D-sub 9, 15 & 25	Plated through	4890 x .042"	2	4 x .120"	.23	24.95	23.69	21.85

JAMECO ValuePro

The prototype builder boards on pg. 256 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 256 (P/N 106551CJ).

Board description: laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

Enclosures

See pages 153 - 154 for hardware and knobs

Call for additional OEM pricing.



*All boards sold individually see pg 256 ; multiple boards shown

ABS Plastic Enclosures

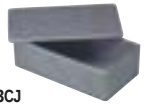
Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are for interior dimensions.



Part No.	Product No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18921CJ	H2855	3.1" x 2.0" x 0.9"	0.1	$3.15	$2.84	$2.55	$2.30
18913CJ	H2853	4.9" x 2.5" x 1.5"	0.2	3.69	3.32	2.99	2.69
18892CJ	H2851	6.0" x 3.5" x 1.9"	0.4	4.79	4.31	3.88	3.49
18905CJ	H2852	7.5" x 4.3" x 2.3"	0.5	6.89	6.20	5.58	5.02

Die-Cast Aluminum Enclosures

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.



Part No.	Product No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11957CJ	B5002	3.9" x 2.0" x 1.0"	0.2	$5.95	$5.39	$4.85	$4.35
11965CJ	B5004	4.7" x 2.4" x 1.6"	0.4	8.49	7.64	6.88	6.19
11973CJ	B5006	7.5" x 4.3" x 2.4"	1.2	13.95	12.56	11.30	10.17

Aluminum Enclosures

Quantity SAVE

Put them in an economical aluminum enclosure. The enclosure comes in two pieces which slide together.

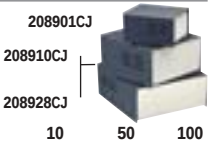


Part No.	Product No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11869CJ	B2300	4.0" x 2.0" x 2.8"	0.2	$5.45	$4.90	$3.92	$2.94
11885CJ	B2320	5.0" x 4.0" x 3.0"	0.4	7.89	7.10	5.68	4.26
11893CJ	B2335	7.0" x 6.2" x 4.6"	0.8	10.95	9.86	7.88	5.91

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base

Quantity SAVE



Part No.	Product No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
208901CJ	B2741A	4.0" x 3.3" x 2.2"	0.4	$6.49	$5.89	$5.29	$4.69
208910CJ	B2743A	5.9" x 5.3" x 3.0"	0.8	7.99	7.19	6.49	5.89
208928CJ	B2744A	7.3" x 6.3" x 2.8"	1.1	8.99	8.09	6.47	4.85
209349CJ	B2746A	6.3" x 7.8" x 2.5"	0.9	12.35	11.12	8.89	6.67
209357CJ	B2747A	7.5" x 9.8" x 3.2"	1.4	14.99	13.49	10.79	8.09

Heavy-Duty Instrument Cases

P/N 18876CJ includes ventilation and speaker sound slots. • Color: gray



Part No.	Product No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18868CJ	H2505	7.9" x 6.3" x 2.5"	0.8	$7.89	$7.10	$6.39	$5.75
18876CJ	H2507	10.0" x 7.5" x 3.1"	1.4	8.99	7.99	7.28	6.55

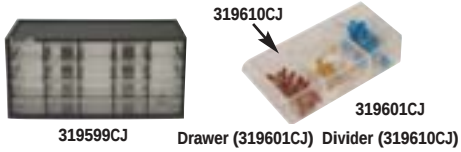
ABS Enclosures w/ Clear Tops

Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.



Part No.	Product No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
141831CJ	203C1	4.6" x 3.2" x 1.8"	0.3	$8.95	$8.09	$7.25	$6.55
141840CJ	203D1	6.3" x 3.2" x 1.8"	0.4	9.95	8.99	8.09	7.25
141858CJ	203F1	7.0" x 5.5" x 2.5"	0.8	11.95	10.79	9.69	8.69

Component Cabinet



- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H
- Weight: 2.8 lbs.

319601CJ: 5.5"L x 2.7"W x 1.5"H
319610CJ: 2.5"W x 1.2"H
85454CJ: 5.5"L x 2.7"W x 1.5"H
85446CJ: 2.4"L x 1.1"H

A Jameco EXCLUSIVE

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

✳ **Prepackaged: order in increments of 10 or 50**

Part No.	Description	1	10	50
319599CJ	Component cabinet	$15.95	$13.95	$12.49
319601CJ	Drawer for cabinet	.39	.35	.294
319610CJ	Divider for cabinet ✳		.19	.17
85454CJ	Drawer for P/N 81701	.39	.35	.29
85446CJ	Divider for P/N 81701 ✳		.19	.17

Plastic Fliptop Boxes

- Clear plastic box with a clear plastic lid and removable dividers

100255CJ: Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)

148902CJ: Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)



Part No.	Description	1	10	100
100255CJ	18 compartments	$2.25	$1.95	$1.75
148902CJ	12 compartments	3.95	3.49	2.95

Plastic Fliptop Case for SMDs

A Jameco EXCLUSIVE

128 Compartments for Surface Mount Components



- 8 rows x 16 columns grid
- Fliptop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156881CJ SMD resistor assortment, pg 76 • Weight: 1.4 lbs.
- Color: gray • Size: 11.0"L x 8.3"W x 1.7"Thick

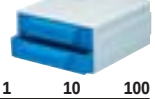
Includes: Labels for each bin

Part No.	Description	1	10
164267CJ	SMD fliptop case	$49.95	$44.99

Stackable Drawers

- Case size: 4.5"L x 4.4"W x 2.3"H
- Drawer size: 4.4"L x 4.0"W x 0.9"H
- Color: blue/white

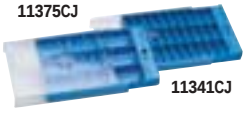
SALE



Part No.	Description	1	10	100
11906CJ	Case/drawers	$1.85	$1.68	$1.53

Bug Boxes

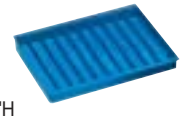
- Anti-static plastic
- Fits in bug cage (P/N 11332CJ, below)
- Box size: 4.9"L x 3.3"W x 0.6"H
- **11341CJ:** stores sixty 8-pin or thirty 16-pin DIPs
- **11375CJ:** Designed to store all types of components



Part No.	Description	1	10	100
11341CJ	30 compartments	$3.95	$3.49	$3.15
11375CJ	3 compart./6 vertical & 6 horizontal dividers	3.95	3.56	3.20

Bug Tray

- Fits in bug cage (P/N 11332CJ, below)
- 10 compartments 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H



Part No.	Description	1	10	100
11800CJ	Divided bug tray	$3.19	$2.87	$2.58

Bug Cage

- Holds bug boxes or trays
- Modular and interlocking
- Color: blue
- Weight: 0.7 lbs.
- Case size: 5.0"L x 3.9"W x 5.1"H



Part No.	Description	1	10	100
11332CJ	Bug cage	$7.49	$6.74	$6.07

Committed to You

We're committed to providing you with the best service in the industry.

Electro Design

microEngineering Labs LAB-X1 Experimenter's Module Board



The LAB-X1 is a pre-assembled experimenter's platform. It provides an assembled testbed containing most of the circuitry commonly used with PICmicro microcontrollers (MCUs). Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer, and RC servo controller.

- 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P, P/N 176882CJ pg 7
- Reset button • 16 switch keypad • 3 potentiometers • LED bargraph
- 2 lines x 20 characters LCD module • Speaker • 2 RC servo connectors
- RS232 interface • Socket for RS485 interface (device not included)
- Socket for I2C & SPI serial EEPROM (device not included) • One-year warranty
- Socket for Microwire serial EEPROM (device not included)
- Socket for real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector • Prototyping area for additional circuit
- Wiring for microchip in-circuit debug connector • Size: 5.5" x 5.6"

Requires: AC adapter (below)

SALE

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
169113CJ	LAB-X1 Experimenter Board	$199.95	$189.95
176903CJ	LAB-X1 Experimenter Board Kit (unassembled)	139.95	132.95
198168CJ	LAB-X2 for 28 and 40-pin MCUs ✪	69.05	65.00
176882CJ	PIC16F877-20/P microcontroller (pg 7)	9.49	8.49
127976CJ	AC adapter (details on page 186)	4.75	4.29

microEngineering Labs EPIC Plus PICmicro Programmer



The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 6.

- Simple installation with parallel port (printer) interface
- Command line operation for automated, non-interactive programming • PICmicro Assembler software included

Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	10
132679CJ	EPIC Plus PICmicro programmer	$59.95	$53.95
136397CJ	8/18/20-pin ZIF adapter	34.95	31.95
132610CJ	40/28-pin ZIF adapter	34.95	31.95
162317CJ	AC wall adapter (16VDC/500mA, details on page 187)	8.75	7.65
67256CJ	6' DB25 cable (details on page 96)	6.45	5.79

Developing Development Systems



Microchip's PIC microcontrollers offer embedded systems developers a lot of bang for the buck. Compilers and development boards are widely available, and there's a great base of software to grab from shared sites.

If you're thinking about more advanced development though, you may want to consider taking a second look at the many RabbitCore™ development environments available on pages 11-13. Now you can develop embedded applications with 100Base-T, GSM/GPRS, Wi-Fi, SSL, Flash plus analog and digital I/O on these development kits.

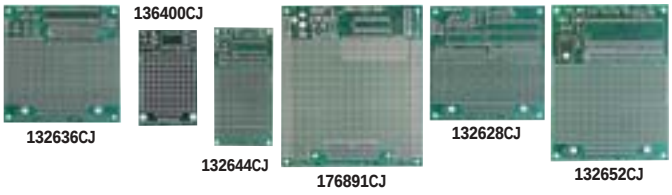
Extensive integrated features and glueless architecture facilitate rapid development with the provided C source code and compiler. Plus, pre-written royalty-free software libraries are provided, making these the best integrated development environments we've seen for fast embedded systems prototyping.

Practical Practices
Money Saving Tips for the Engineer

microEngineering Labs "PICProto" Prototyping Boards

- High quality blank prototyping boards for PICmicro microcontrollers
- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes • Large prototyping area
- Solder mask on both sides makes soldering easy • Silkscreen legend

Includes: Documentation sheet with schematic, suggested parts and placement



PICProto 18, 18L: For all 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, and 84

Part No.	Description	Size (L" x W")	1	10
132644CJ	PICProto 18	3.0 x 1.5	$9.95	$8.95
176891CJ	PICProto 18L	3.6 x 4.1	19.95	17.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242, and 252

132636CJ	PICProto 3	3.0 x 3.0	$14.95	$13.49

PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422, and 452

132652CJ	PICProto 64	4.0 x 3.0	$16.95	$14.95

PICProto 8: For all 8-pin PIC12Cxxx and 12CExxx

136400CJ	PICProto 8	2.0 x 1.2	$8.95	$7.95

PICProto Dual: For 18-pin PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, & 84, as well as 28-pin PIC16C55, & 57. Accepts standard 0.6" 28-pin device or 0.3" skinny DIP

132628CJ	PICProto Dual 18/28	3.0 x 3.0 SALE	$12.95	$11.66

microEngineering Labs PICBasic and PICBasic Pro Compiler

PICBasic converts your BASIC programs into files that can be programmed directly into a PICmicro MCU.

- Compatible with most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows (includes Windows editor/DE software)
- I2C instructions to access external serial EEPROMs
- In-line assembler and call support

132661CJ: PICBasic Compiler

- Expanded BASIC Stamp I compatible instruction set
- PEEK and POKE instructions to access any register from BASIC
- Serial speeds to 9600 baud
- Supports PC12C67x, PIC14Cxxx, PIC16C55x, 66x, 7xx, 84, 92x, and PIC16CF8xx microcontrollers
- May use up to 2k of code space



132661CJ

150543CJ: PICBasic Pro Compiler

- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k • Bit, byte, word arrays
- Real If…Then…Else…Endif • Hierarchical expression handling
- Interrupts in BASIC and assembler • BASIC Stamp I and II library
- Built-in LCD support • MPLAB/MPASM/ICE compatibility
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx, and 18Cxxx microcontrollers

Part No.	Description	1	10
132661CJ	PICBasic compiler	$99.95	$89.95
150543CJ	PICBasic Pro compiler	249.95	224.95



For Our Complete Selection of PIC Microcontrollers
See pages 6 – 8



For Development Kits
See pages 11 – 13

XELTEK 40-Pin Low-Cost Universal Programmer



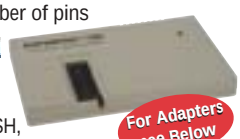
- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & FLASH
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 95/98/ME • Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H • Weight: 4.0 lbs.

Includes: Power adapter, parallel cable, user's guide and CD-ROM software

Part No.	Description	1	5
231183CJ	SuperPro-Z universal programmer	$244.95	$232.69

48-Pin Advanced, Low-Cost Universal Programmer

XELTEK



For Adapters see Below

- Provides a 48-pin ZIF socket that accepts any number of pins
- Programmable I/O level supports low voltage devices down to 1.8V
- Device insertion and pin contact check protect chips from damaging
- Supports 11,800+ devices including E/EPROM, FLASH, Microcontrollers, PLD & tests standard logic devices & SRAM
- High-speed embedded CPU generates more accurate & reliable algorithm timing
- Supports Windows® 95/98/2000/NT/ME/XP
- Connect to PC via printer port
- Size: 7.8"L x 5.5"W x 1.0"H • Wt.: 4.0 lbs.

Includes: Power adapter, parallel cable, user's guide & CD-ROM software

Speed Comparison

Device Type	Program (seconds)	Verify (seconds)	Pieces in 8 hour day
28C64B	1	0.8	7578
24C256	3	8	2215
W78E58	13	3	1600
PIC12C508	1	0.8	7578

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
231191CJ	SuperPro-280 advanced universal programmer ✪	$444.95	$422.69

XELTEK Ultra-Fast 48-Pin USB & Stand-Alone Universal Programmer



For Adapters see Below

- Fastest low-cost programmer in the market; programs high-density FLASH memory at near theoretical minimum programming time: (Intel 28F320W18 – 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)
- Standard universal 48 pin-drivers support devices down to 1.5 volts; optional 100-pin expander module
- Currently 19,800 devices supported from 100+ manufacturers including memory, MCU, and PLD
- Supports: EPROM, Paged EPROM, Parallel/Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NOVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic
- Reliable programming of low voltage devices down to 1.5 volts
- Three modes of operation are supported: standard PC hosted operation via USB, stand-alone operation for manufacturing or service and built-in terminal mode to operate via an external instrument
- Over-current/over-voltage protection for safety of the chip & programmer hardware
- Microsoft® Windows® 98/ME/NT/2000/XP compatible
- Size: 9.4"L x 5.9"W x 2.0"H • Weight: 5.0 lbs.

Includes: 12VDC @ 2.5A AC adapter, Program CD, USB Cable, user's guide

Part No.	Description	1	5
231221CJ	SuperPro-3000 USB universal programmer	$989.95	$940.45

XELTEK SMD Adapters for SuperPro 280/680/3000



231247CJ



231255CJ



231263CJ



231271CJ

Part No.	Product No.	Description	1	5
231247CJ	A008A	28-pin PLCC adapter	$84.95	$80.75
231255CJ	A015A	32-pin PLCC adapter	94.95	90.25
231263CJ	A244A	44-pin PLCC adapter	109.95	104.45
231271CJ	A247A	48-pin TSOP adapter	174.95	166.25

Fast, Low-Cost Universal Device Programmer

Parallel Port Interface



- 5000+ device types supported
- Menu driven software
- Programs (E)EPROM, PROM, Serial PROM, PALCE, GAL, flash memory, microcontrollers, ATF
- On-board FPGA for speed; 4X faster than offshore brands
- Auto search device select function supports (E)EPROM and microcontrollers
- Device insertion test identifies improperly inserted device before programming
- Auto programming for production programming
- Read, blank check, program, verify, checksum, data compare, security, auto function

Includes: Parallel cable, wall adapter, diskette & manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium® or compatibles, DOS 2.11 or greater, Windows® 95/98/2000/NT/XP; hard disk, 512k RAM & parallel port

Part No.	Description	Socket	1	5
207731CJ	CHIPMAX	40-pin ZIF	$349.95	$332.95

High-Speed Universal Device Programmer/Tester

Parallel Port Interface



- Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & Microcontrollers
- 8000+ device types supported
- Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed; 4X faster than offshore brands
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Detects pin locations for poor or damaged contacts
- Current limiting protects hardware circuits from improperly inserted or defective chips
- Supports POF and JEDEC formats
- High-speed device function tests and user creatable test library
- Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors • CE/CUL/CSA quality certified

Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512k RAM, Windows® 95/98/2000/NT, and parallel port

Lower $$$

Part No.	Description	Socket	1	5
207765CJ	TOPMAX	48-pin universal ZIF	$875.95	$681.86

Versatile, Production Quality Universal Programmers

Parallel Port Interface



207781CJ

- 5000+ device types supported
- Supports EPROM, flash, microcontroller, Serial (E)EPROM, EPLD, PALCE, GAL, PEEL
- Auto search device select function
- Fast programming speed with IC vendor approved algorithms
- Built-in editor for both buffer date and test vectors
- Supports JEDEC, Intel Hex, Motorola S Records, Binary and ASCII file formats with File LOAD/SAVE command
- Built-in macro commands for programming

Includes: 01/02/03 personality modules, parallel cable, wall adapter, disk & manual

System requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard disk, 512k RAM, standard parallel port, MS-DOS 2.11 or higher

SALE

Part No.	Description	Sockets	1	5
207773CJ	MEGAMAX programmer	48-pin ZIF	$379.95	$349.95
207781CJ	MEGAMAX4G prog.	48-pin ZIF (1)/32-pin ZIF (3)	399.95	379.95

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Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.

16kB-256MB Universal IC Programmer/Tester

Parallel Port Interface

HI-LO SYSTEMS

Supports over 7,000 devices including EPROM, EEPROM, Serial PROM, FLASH, PLD/ CPLD/ FPGA, MPU/MCU & much more. Most devices in various package types can be programmed with the on-board 40-pin ZIF socket or through an appropriate adapter/ converter. Modular pin drivers program at high speed & provide high reliability & expansion capability.



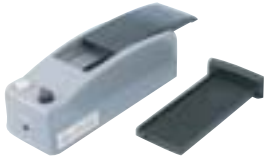
- Functions of load file, read master, program, verify, auto, ID check, checksum, blank check, erase, secure, protect/unprotect, edit, file transfer, function configuration & self test

Includes: External power supply, DB25 M/F cable, manal & software CD-ROM

System Requirements: Intel Pentium, 32MB of RAM, parallel port, Windows® 95/98/NT/2000/XP, 5MB free hard disk space, CD-ROM drive

Part No.	Description	1	5
216039CJ	ALL-11C2 programmer	$879.95	$799.95

HI-LO SYSTEMS EPROM Eraser



- Erases all UV erasable EPROMs (32-pin)
- Upper & lower erasing chambers hold a total of 16 EPROMs
- One-year warranty
- Conductive foam liner eliminates static build-up
- Size: 8.5"L x 2.8"W x 2.8"H
- Weight: 1.6 lbs.

Includes: AC adapter – 9VDC @ 600mA and a timer which turns eraser off at the end of the selected time period – 10 to 60 minutes

Part No.	Description	1	5
121267CJ	EPROM eraser	$159.95	$143.95

UVP EPROM Erasers and Accessories

66042CJ: Erases 1 chip in 7 minutes

- Conductive foam liner eliminates static build-up
- UV intensity: 6.5mW/cm^2
- One-year warranty
- Size: 6.8"L x 1.5"W x 2.3"H
- Weight: 0.8 lbs.



66042CJ

Requires: Four AA batteries (not included), recommend P/N 244515CJ (pg 196)

15712CJ: Erases 1 chip in 15 min. or 8 chips in 21 min.

- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm^2
- Size: 9.0"L x 3.7"W x 2.6"H
- Weight: 2.3 lbs.



15712CJ

Lower $$$

Part No.	Description	1	5
66042CJ	Portable eraser ~~$54.95~~	$51.85	$49.95
15712CJ	8-chip eraser ~~$119.95~~	106.85	101.49
34382CJ	Lamp for 15712CJ	39.95	29.95
13864CJ	Foam (12" x 24" x 0.25")	9.29	8.35

Flash Writer/Programmer with USB Interface

- Programs 8-bit FLASH serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: Only 22 seconds to blank check, program, and verify MXIC MX29F040
- File formats supported: binary and machine code, Intel HEX, Motorola HEX, Tektronix
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Supports Flash EPROM, EPROM & EEPROM



Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947CJ	Leaper 3D	$199.95	$179.95

Universal Programmer – Pocket Size & Battery Powered

Parallel Port Interface

A unique ASIC pin driver was designed specifically for this latest generation programmer, enabling the first true universal input/output capability. Along with basic functions the software permits setting specially designated functions for any selected device.



GALEP-4

- Supports over 6400 devices: 8-bit and 16-bit EPROM, EEPROM, FLASH EPROM, Serial EEPROMS, all Microcontrollers, GAL/PAL/CE without adapters
- Support for ultra-low voltage devices down to 1.3V
- High speed data transfer: 27C256 read/verify = 2 seconds; program = 8 seconds
- Three separately adjustable voltages for all 40-pins
- Fully compatible with Windows® 95/98/ME/NT/2000/XP
- Integrated editor's many features allow user to edit device data, which can be loaded or saved in INTEL HEX, Motorola S or binary format
- Operates on AC power adapter or 6 NiMH batteries
- Size: 4.5"L x 3.1"W x 1.3"H • Weight: 0.5 lbs.

Includes: Printer port data cable, power adapter and CD-ROM

System requirements: PC with Pentium® CPU

Part No.	Description	1	5
226309CJ	GALEP-4	$369.95	$351.49

Universal EPROM/Flash Programmer w/ USB Interface

- Supports low voltage components up to 2.5V; user selectable verify Vcc with one or two-pass verify voltage
- High speed: 30 sec. to process 16Mbits memory
- Auto detect device pin insertion and contact check
- Select device brand & number by prompt and convenient cross search, FLASH memory auto detection
- Supports EPROMs, EEPROMs, FLASH EPROMs, Serial E/EPROMs, NV RAMs, Microcontrollers, DSPs and PLDs • Supports file formats JEDEC, binary, Intel 80/86 HEX, Motorola HEX, Tektronic HEX



Includes: USB cable, 12V@1.5A power adapter and CD-ROM software

System requirements: Pentium® II or higher, 32MB RAM minimum, 30MB hard disk space, Windows® 98/ME/2000 operating system

SALE

Part No.	Description	1	5
225939CJ	Leaper 48	$575.95	$529.95

512k E(E)PROM/Flash Programmer w/ USB Interface

Compact, portable, and lightweight stand-alone E(E)PROM flash programmer. Also interfaces with your PC through the USB port.



- Programs EPROMs, EEPROMs, Flash EPROMs & more
- 2 sockets for master/slave operation
- Stand-alone mode uses two 9V batteries
- IC parameters are adjustable such as programming algorithm, Vpp voltage, and pulse width
- Supports file formats binary and machine code, INTEL HEX, Motorola HEX
- Supports Windows® 95/98/NT/2000/ME/XP
- Size: 6.3"L x 4.3"W x 1.8"H

Includes: USB cable, 12VDC@500mA power adapter and CD-ROM

Part No.	Description	1	5
220636CJ	Leaper-3C	$275.95	$249.95

Lowest Price Guarantee

Have you found a product at a lower print advertised price? We'll beat that price by 10% right down to our cost!



Electro Design

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PARALLAX

Robotic Controller Kits

Board of Education Full Kit



The new Board of Education Revision C carrier board has two major changes from the Revision B. The jumper near the servo connector will select either Vdd (5 V) or Vin (unregulated input voltage) to power the servos. The three-position power switch is either off (0), power to everything but servo connectors (1) or power to everything (2).

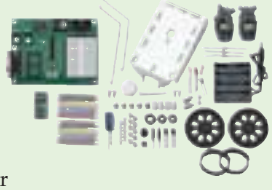
- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery
- DB9 connector for programming and serial I/O
- Female 10-pin dual row connector for optional AppMods • P0 – P15 I/O pins

Includes: Board of Education carrier board, BASIC Stamp 2 module, pluggable wires, serial cable, CD-ROM and power supply

Part No.	Parallax No.	1	10
283101CJ	28102	$118.95	$96.99

Boe-Bot Full Kit







Now with Robotics text v2.0! The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The Board of Education and Basic Stamp may be removed to be used as your platform for the other Stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4AA batteries (not included).

Part No.	Parallax No.	1	10
282933CJ	28132	$198.99	$189.00

Advanced Toddler Robot Kit



Walking robots have mechanical and software interdependencies that require in-depth examples and explanation. The Advanced Robotics text is an introduction to the Toddler robot's basic movements. Students using the Toddler robot will learn advanced embedded programming with BASIC, efficient code development, sensor feedback, and general control. Because of the number of possible movements, we consider the Toddler to be appropriate for those aged 14 and above.

- Height: 10" • Weight: 4.0 lbs.

Includes: 155-page Advanced Robotics text in the Stamps in Class style and the 351-page BASIC Stamp Manual

Part No.	Parallax No.	1	10
282837CJ	27311	$248.95	$236.49

BS2 Educational Starter Kit



This complete "Getting Started" kit is enhanced to include the *What's a Microcontroller?* (WAM) curriculum. Includes all of the BASIC Stamp hardware required to complete the activities and challenges. With this latest edition of the kit, you will receive the *What's a Microcontroller?* parts and text making this combination a bona fide "Getting Started" kit. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamps.

Includes: BASIC Stamp 2 module, Board of Education Programming Board, BASIC Stamp Manual, CD-ROM, jumper wires and a serial cable

Part No.	Parallax No.	1	10
282829CJ	27207	$158.95	$152.95

Stamp Works Kit



This all-in-one kit takes you beyond theory, into a well-written collection of 32 experiments that will teach you first class BASIC Stamp programming. You'll learn to get the most out of the BASIC Stamp and to increase its versatility by connecting to popular active and passive components.

Includes: Manual, BASIC Stamp Experiment Board, BS2-IC, 2x16 parallel LCD with custom cable, digital multimeter with 2 probes, wire cutter/stripper/pliers, three 100' rolls 22 AWG wire, screwdriver kit, photoresistor, 555 timer, 8-bit serial-to-parallel and 8-bit parallel chips, Dallas Semiconductor 1620 digital thermometer and real-time clock with 32.768MHz crystal, National Semiconductor ADC0831 8-bit A/D converter, Maxim 7219 8-digit LED display driver, National Semiconductor LM358 op-amp, stepper motor, servo, power supply, resistor assortment, capacitors, serial cable, CD-ROM and plastic box for parts

- Weight: 4.0 lbs.

Part No.	Parallax No.	Price
184946CJ	27297	$348.95

BS2P Professional Starter Kit



Provides the engineer with all the parts required to get started with the BSP2 microcontroller. The kit includes a selection of components and ready-to-run source code that will help master some of the exciting new features of the BSP2.

Includes: Manual, BS2P demo board, BS2P-24 microcontroller, DB9 (serial) programming cable, PCF8583 chip, 32.678kHz crystal, 24LC32 serial EEPROM, DS1822 thermometer, (3) 4.7K resistors, jumper wires

Part No.	Parallax No.	1	10
202323CJ	27235 kit	$207.95	$187.95
282984CJ	45187 BS2P40 demo board	88.95	84.95

Robot Builder's Source Book



McGraw-Hill Everything you need to find and acquire common and uncommon robotic parts and supplies. Jameco and over 2500 mail order suppliers and other sources, including local and international businesses all cross-referenced and categorized to make your search quick and easy. (711 pages, 2003)

- Size: 8.5" x 10.0" • Weight: 3.9 lbs.

Part No.	Description	Price
213461CJ	Robot Builder's Source Book	$16.95

Robot Builder's Bonanza



TAB Publishing This fascinating guide offers a complete, unique collection of tested and proven project modules that you can mix and match to create an almost endless variety of highly intelligent and workable robot creatures. (753 pages, 2001)

- Size: 7.3" x 9.2" • Weight: 2.5 lbs.

SALE

Part No.	Description	Price
137171CJ	Robot Builder's Bonanza	$17.95

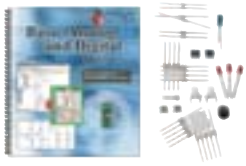
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See page 219 for an index of Electronics-Industry books offered in this catalog.

See www.Jameco.com/Robotics for complete specifications

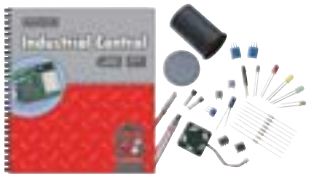
Basic Analog and Digital Parts & Text V1.2



Covers the essentials of 8-bit A/D & D/A conversion using a BASIC Stamp. Introduces PBASIC commands for A/D conversion with resistor/capacitor circuits, interfacing an ADC0831 8-bit A/D converter, scaling analog outputs into meaningful digital values, analyzing time-varying signals and using PWM as analog output.

Part No.	Parallax No.	1	10
282950CJ	28155	$43.95	$40.29

Industrial Control Parts & Text



An educational tutorial on process control with the BASIC Stamp. Methods of process control are demonstrated in detail using a simple desktop heater system. A fan provides an external disturbance to the closed-loop system.

Part No.	Parallax No.	1	10
176575CJ	28156	$58.49	$55.59

Microcontroller Application Cookbook Vol. 1 & 2

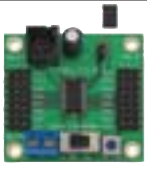


Vol. 1 is a wide-ranging collection of 113 interface circuits designed around the BASIC Stamp 2. For somebody getting started with microcontrollers. Discusses timing diagrams, interfacing, A/D conversion and how to control a high-voltage circuit with a solid-state relay.

Vol. 2 is a new collection of 154 interface circuits designed around the BASIC Stamp 2.

Part No.	Parallax No.	1	10
282925CJ	28113	$58.95	$57.95

Servo Controller



Controls up to 16 servos and may be networked together so that two servo controllers can control 32 servos using a single I/O line.

- 2400 to 384k baud serial port • 63 ramp rates
- 16-bit PWM timers • RS-232 serial protocol

Part No.	Parallax No.	Description	1	10
282896CJ	28023	Servos controller	$38.95	$36.95

High-Efficiency Robotic Servo



Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60˚
- Torque: 49 oz.-in. @ 4.8V
- Can be operated by P/N 151001CJ, pg 134 • 0.8"W x 1.4"D x 1.6"H

Part No.	Description	1	10
157067CJ	Robotic servo	$19.95	$17.95

Giant Robotic Ball-Bearing Servo



Extremely powerful! Perfect for large robotic projects where power is a must.

- Torque: 161 oz.-in.
- Power supply: 4.8-6 volts
- Speed: 19 seconds to 60˚
- Can be operated by P/N 151001CJ, pg 134

Part No.	Description	1	10
166351CJ	Giant robotic servo	$49.95	$44.95

Flex Sensor



- Maximum resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	Nominal Resistance	1	10
150551CJ	Flex sensor	10Ω	$12.95	$11.65

Infrared Remote-Control Receiver Modules



165008CJ



176541CJ

- Commonly used in TVs, VCRs, audio equipment, car stereos and home computers that receive signals or data via infrared
- Single unit module which incorporates a PIN diode and a receiving preamplifier IC
- Excellent mechanical strength and electrical stability
- 940nm wavelength • Size: 0.6"L x 0.6"W x 0.5"H

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Voltage Input	1	10
165008CJ	40.0kHz	5VDC @ 5mA	$2.99	$2.49
176541CJ	56.8kHz ✪	5VDC @ 2mA	1.69	1.27

MONDO•TRONICS Flexinol Muscle Wires®



These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight. • Length: 1 meter

How it works... *Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.*

141348CJ: Muscle Wires® Book & Deluxe Kit

- Kit includes one each Flexinol 100, 150 and 250 Muscle Wires® and Project Book • 3 meters of wire

Includes: Crimps and instructions

Part No.	Description	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing 1	Pricing 10
141321CJ	100LT	100	150	180	28	150	33	$15.95	$14.49
141874CJ	150LT	150	50	400	62	330	20	16.95	15.29
160055CJ	375LT	375	8	2750	393	2000	4	19.95	17.95

* *Multiply by 0.0098 to get force in Newtons* ** *Cycles per minute, in still air, at 20˚ Centigrade*

Part No.	Description	1	10
141348CJ	Muscle Wires® kit	$56.95	$52.95

Crossbow Accelerometer Evaluation Boards



177308CJ

Dual Axis

Evaluation board for the ADXL202, dual axis, 2g accelerometer.

177308CJ: features RS-232 interface to connect to PC serial ports. Also includes software to display real time acceleration data.

Part No.	Product No.	Description	1	10
177287CJ	ADXL202EB	Dual axis	$59.95	$53.95
177308CJ	ADXL202EB-232	w/ RS-232	159.95	149.95

Precision Navigation, Inc. Vector 2X Compass Module



- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- Raw uncalibrated magnetometer output optional
- Master or slave capability for data clock generation
- 2˚ accuracy, 1˚ resolution
- 3-wire serial output format
- Hard iron calibration
- 5Hz sampling rate

Requires: Power supply 5V @ 10mA (recommend P/N 112070CJ, pg 185)

Part No.	Description	1	10
126703CJ	Vector 2X module	$49.95	$44.95

Crossbow Accelerometer



141575CJ

Triple Axis Accelerometer

- Dynamic range and excellent frequency response
- Current: 24mA • Axis: 3
- Shielded cable: 2-foot pigtail
- Acceleration range: ±4g • Size: 1.9"L x 1.0"W x 0.8"H

Requires: 5VDC power supply, not included (recommend P/N 164101CJ, pg 185)

Part No.	Description	1	10
141575CJ	CXL04LP3	$339.95	$319.95
141583CJ	Digital interface card	312.95	299.95



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Our enhanced website offers more products. Find it quickly and order it easily.

Edu & Hobby

26-Pitch Press-Fit Gears and Gear Set

- Works with DC motors with 0.156" and 0.078" shaft diameter
- Heavy-duty plastic construction
- Diametral pitch: 26
- Material: polyethylene resin


162392CJ 162093CJ 131801CJ

131801CJ: 20-piece gear set includes 2 each of all the gears and bushings shown below.

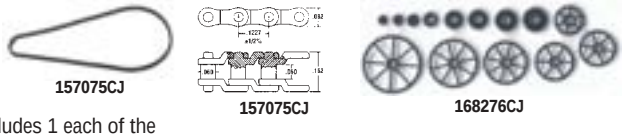
✳ **Prepackaged: please order in increments of 10 or 100**

Part No.	Description	Bore Size	PitchDia.	Works w/ Shaft Dia.	Outer Gear Dia.	1	10	100
162069CJ	10 teeth gear	0.149"	0.378"	0.156 (5/32)"	0.455"	$.89	$.69	$.55
162077CJ	20 teeth gear	0.149"	0.756"	0.156 (5/32)"	0.842"	.89	.69	.49
162085CJ	30 teeth gear	0.149"	1.142"	0.156 (5/32)"	1.225"	.89	.69	.49
162093CJ	40 teeth gear	0.149"	1.540"	0.156 (5/32)"	1.623"	.89	.69	.49
162106CJ	50 teeth gear	0.149"	1.900"	0.156 (5/32)"	1.985"	.89	.69	.49
162392CJ	Bushing	0.075"	—	0.078 (5/64)"	—	✳	.25	.22

Part No.	Description	1	10	50
131801CJ	Gear set – 20 pieces of all the gears and bushings shown above	$7.99	$7.29	$6.49

16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.


157075CJ 157075CJ 168276CJ

168276CJ: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with ⅛" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with ¼" bore size

Part No.	Description	1	10	25
157075CJ	Drive chain (12" long)	$9.95	$8.95	$7.95
168276CJ	Sprocket set - 14 pieces (see description above)	29.49	26.49	23.89

Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

168284CJ: 12-piece gear set includes 1 each of the following: 10 teeth with 3/32" bore size; 14 and 16 teeth with ⅛" bore size; 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with ¼" bore size


157104CJ 168284CJ

Part No.	Description	1	10	25
157104CJ	1/4" bore aluminum mounting hub w/ set screws	$4.95	$4.49	$3.95
168284CJ	Gear set - 12 pieces (see description above)	39.95	34.95	31.95

Selectable Gear Box Kit

Great 35-piece kit for learning about gear ratios or to add a gear box to your robot project. See-through case has gear ratios from 6.8:1 to 807.93:1.

- Difficulty level: intermediate



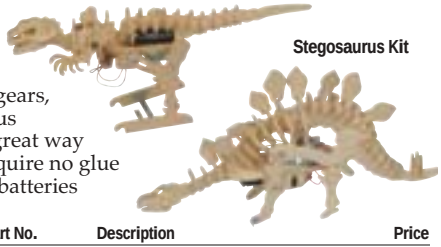
Part No.	Description	Dimensions	Price
145509CJ	Selectable gear box kit with 3V motor	2.5"L x 1.1"W x 1.5"H	$15.95

Motorized Wooden Kits

Kits, ideal for your child.

Your child will love building these kits and watching them walk. These kits come with "kid friendly" pre-punched wooden parts, gearbox, gears, shafts, switch, motor, and battery holder. A marvelous educational science project for ages 8 and up, and a great way to learn about gears and transmissions. These kits require no glue or soldering, just a few simple hand tools, and 2 AA batteries (not included; see pages 194-195 for batteries). Your kids will be building these kits in no time.

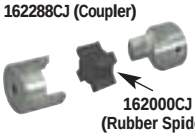
- Gear driven transmission
- Requires: knife, screw driver, and long-nose pliers


Tyrannosaurus Kit
Stegosaurus Kit

Part No.	Description	Price
242915CJ	Stegosaurus kit	$11.95
242923CJ	Tyrannosaurus kit	11.95

Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually


162288CJ (Coupler)
162000CJ (Rubber Spider)

Part No.	Description	1	10	50
162288CJ	.125" (3.18 mm) ID hub	$1.35	$1.15	$.86
161998CJ	.197" (5.00 mm) ID hub	1.09	.89	.59
162270CJ	.250" (6.35 mm) ID hub	1.35	1.19	1.09
162000CJ	Rubber spider	1.29	1.15	1.05

Climax Spider Shaft Couplers

209285CJ/106606CJ:

- 1 set screw per hub
- Hub OD: 0.625"Dia.
- Hub length: 0.56"

138288CJ:

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD


209285CJ 106606CJ 138288CJ

Part No.	Description	1	10	100
209285CJ	.156" ID shaft hub	$.85	$.65	$.49
106606CJ	.250" ID shaft hub	.75	.69	.59
138288CJ	.250" ID sleeve coupler	4.49	4.05	3.65

Gears and Shafts Kit

Bag of gears, shafts and accessories. Great for science projects. All parts fit 2mm shaft motors.



Part No.	Description	1	10
215298CJ	Gears and shafts kit	$5.89	$5.29

Mobile Robotic Car Design Book

McGraw Hill



This book describes in complete detail how to build a robotic car. It provides detailed photographs, schematics, list of vendors for parts, and provides software code for the processor and the digital signal processor with an explanation of what the code does and why. Printed circuit board files are free, and can be downloaded from www.books.mcgrawhill.com/authors/Kachroo Mellodge. (278 pages, 2005)

Part No.	Description	Price
313592CJ	Mobile Robotic Car Design	$23.95

Quartz Clock Mechanism

Build your own clock or replace the clock mechanism of a damaged clock with this quartz clock mechanism from Velleman.

Includes: 1 x 1.5AA battery

- Dimensions: 2.2"Sq x 0.6"Thick



Part No.	Description	Price
239661CJ	Quartz clock mechanism	$3.49

www.RobotStore.com
The One-Stop Source for All Your Robotic Needs!
800.374.5764

Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipment.


135394CJ – Electrolytic


135271CJ – LEDs


169578CJ – Photocells


18294CJ – Toy Motors


149649CJ – Fans


55968CJ – Spacers


319599CJ – Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319599CJ

Shaded in brown on this page you will find Jameco's nine most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213CJ) referenced towards the bottom of the page.

Capacitors

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857CJ	GB100	200 asst. ceramic disc capacitors	0.2	$4.95	$4.49
135335CJ	GB100LB*	1 lb. (813 pcs) asst. ceramic disc caps.	1.0	12.95	11.49
17881CJ	GB101	100 assorted mylar capacitors	0.3	5.95	5.35
135458CJ	GB101LB*	1 lb. (440 pcs) asst. mylar capacitors	1.0	14.95	13.49
17911CJ	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	4.95	4.49
135394CJ	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic caps. radial, axial, snap (photo above)	1.5	12.95	11.49
17945CJ	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	9.95	8.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961CJ	GB107	200 assorted diodes (zener, switching, silicon)	0.1	$5.95	$5.35	$4.79
18171CJ	GB127	100 assorted transistors (NPN, PNP, power)	0.1	5.95	5.35	4.79
114446CJ	GB150	50 assorted crystals/oscillators	0.2	7.95	6.95	6.25

Trimmer and Single-Turn Potentiometers

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18075CJ	GB113	100 asst. 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	$5.15	$3.89
18278CJ	GB174	100 assorted 1/4W & 1/2W single turn pots (100Ω to 5MΩ assorted values)	0.2	6.95	6.25

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996CJ	GB108	100 assorted 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	0.2	$6.95	$6.25
135280CJ	GB108LB*	1 lb. (400 pcs) asst. 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	1.0	19.05	17.15
18024CJ	GB109	100 asst. linear series (LM300, 500, 700, 7800, 7900 reg.) DIP, TO-3, TO-220	0.6	7.95	6.95
145242CJ	GB109LB*	2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.)	2.0	19.05	17.14
105620CJ	GB120	100 asst. sockets (DIP IC, PGA)	0.3	5.95	5.35
135386CJ	GB120LB*	1 lb. (260 pcs) assorted sockets (DIP, PGA, SIMM, SIP, DIN)	1.0	12.95	11.49

Get a Grip on Grab Bags



Outfitting a workbench or getting a new lab assistant up and running? Get their workbench stocked with the components they need and minimize delays. Each of the grab bags on this page will do just that. They're cheaper than buying piecemeal, and it takes far less time to order!

Practical Practices
Money Saving Tips for the Engineer

LEDs and Displays

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041CJ	GB110	100 assorted sizes & colored LEDs (T1&T1 3/4 round and rectangular)	0.1	$6.95	$6.29	$5.65
18323CJ	GB186	500 asst. sizes #18041CJ LEDs	0.3	19.95	17.95	15.95
135271CJ	GB110LB*	1 lb. (1900 pcs) asst. #18041CJ LEDs	1.0	44.95	40.95	38.95
18201CJ	GB162	50 asst. sizes of colored displays (7-segment LED, modules, stick)	0.5	9.95	7.45	6.69

1/4W, 1/2W Resistors and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18104CJ	GB116	200 asst. 1/4W resistors (5&10%)	0.1	$5.49	$4.95
135351CJ	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0	14.95	13.49
18139CJ	GB117	200 asst. 1/2W resistors (5&10%)	0.2	5.95	5.35
169578CJ	GB125	100 asst. values photocells	0.2	12.95	11.49

Switches, Toy Motors and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235CJ	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	$8.75	$7.69
135378CJ	GB165LB*	1 lb. (135 pcs) asst. #18235CJ switches	1.0	18.95	16.95
18294CJ	GB182	5 asst. toy DC motors (1.5–24V)	1.1	5.49	4.95
149649CJ	GB193	5 asst. AC&DC fans (photo above)	4.5	8.75	7.69

Hardware Assortments

- 2-56 Screws • Steel
- 4-40 • Plastic • Brass
- 6-32 • Nuts • Lock Washers
- 8-32 • Washers • Aluminum



Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571CJ	GB149*	1 lb. (500 pcs) asst. types of screws, nuts, washers & lock washers	1.0	$5.95	$5.35	$4.79
171635CJ	GB149LB*	3 lbs. (1400 pcs) asst. types; same as P/N 171571CJ (above)	3.0	12.95	11.49	9.95

Spacers and Standoffs Assortments

Quantity SAVE

• Round • Hex • Aluminum • Brass • Steel • Plastic • Nylon

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
166481CJ	GB440	100 asst. 4-40 spacers/standoffs	0.5	$6.95	$5.91	$4.43
166490CJ	GB632	100 asst. 6-32 spacers/standoffs	0.5	6.95	5.91	4.43
55968CJ	GB140	100 asst. 4-40, 6-32, 8-32 round/hex, alum/brass/nylon spacers	0.3	9.95	8.95	7.25
135423CJ	GB140LB*	1 lb. (310 pcs) same as P/N 55968CJ	1.0	17.95	17.49	16.99

Schwab's School Selection

Jameco's nine most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319599CJ photo above) for storage.

$59.89 Value



What's your suggestion?

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213CJ	GB197	Schwab's School Selection	3.3	$39.95	$34.95
319599CJ	GB197	20 drawer component cabinet	4.7	15.95	13.95

Edu & Hobby

For complete product specifications and pictures, please visit www.Jameco.com/Kits

Color Code Legend: New Sale Lower$ QtySave

Power House Kit



Fig. 1

Sound Generator Kit



Fig. 9

Telegraph Kit



Fig. 2

Train Sound Generator Kit



Fig. 10

Dual Electronic Dice Kit

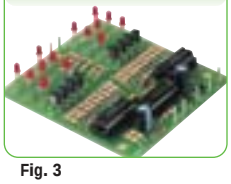


Fig. 3

Karaoke Kit



Fig. 11

Super Snooper Big Ear Audio Amplifier Kit

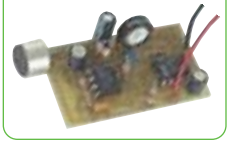


Fig. 4

Voice Activated LED Kit



Fig. 12

FM Stereo Transmitter Mini Kit

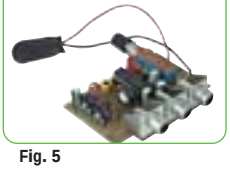


Fig. 5

Multifunction Clock Kit



Fig. 13

FM Transmitter Kit

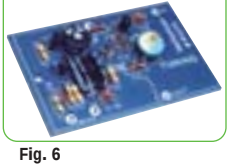


Fig. 6

Fiber Optic Lab Kit



Fig. 14

One Chip AM Radio Kit



Fig. 7

3D Flashing Christmas Tree Kit



Fig. 15

30-Watt Stereo Amplifier Kit

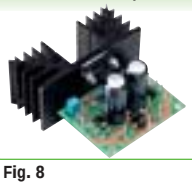


Fig. 8

Flashing Pumpkin Kit



Fig. 16

Microprocessor Starter Kit



imagine tools

This Microprocessor Starter Kit is designed to work with several different forms of applications via system control: commands and feedback, data acquisition, and custom hardware setups specific to user requirements. Whether you are an embedded systems expert, or an electronics novice, Imagine Tools offers an educational community devoted to bringing as much value to a kit purchase as possible by offering free downloadable products, application ideas, and support. The microprocessor starter kit is ideal for hobbyists, enthusiasts, and entrepreneurs seeking to create a killer product and/or application. Kit includes RCM3610 module with Rabbit 300A microprocessor, starter board, software CD, hardware, and power supply.

- 256k FLASH/128k SRAM
- 33 digital I/O ports
- 4 serial ports

Part No.	Description	Input Voltage	Current Draw	Price
354992CJ	Microprocessor starter kit	24-40VAC, 7-40VDC	43mA typ.@12V, 16mA typ.@40V	$94.05

Part No.	Mfr. No.	Description	Fig.	No. of Pieces	Exp. Level	Dimensions (L"xW"xH")	Wt. (lbs.)	Pricing 1	Pricing 10
Educational Kits									
307707CJ	652111	Detector radio kit	—	29	BEG	10.9 x 6.9 x 1.6	1.0	$22.95	$19.99
307723CJ	628710	Fuel cell car and experiment kit	—	39	INT	8.5 x 4.4 x 6.5	5.0	139.95	125.95
307731CJ	626112	Power house kit	1	59	INT	15.6 x 9.9 x 9	6.0	139.95	125.95
285624CJ	SR-TGI	Telegraph kit	2	—	—	2.7 x 2.7 x 4	—	49.95	47.49
Timer Modules and Electronic Dice Kit									
147871CJ	I-1	1 sec. to 3 min. timer module	—	—	—	3.0 x 1.7 x 1.2	—	$19.95	$17.95
147846CJ	I-10	3 sec. to 1 min. off cyclic timer module	—	—	—	3.0 x 1.7 x 1.2	—	22.49	20.29
200352CJ	K3400	Dual electronic dice kit	3	85	INT	3.0 x 2.8	0.5	18.95	16.95
Audio Transmitters, Amplifier, Sound Generator and Detection Kits SALE									
151204CJ	AA-1	Super snooper big ear audio amplifier kit	4	17	INT	1.8 x 1.0 x 0.6	—	$10.95	$9.95
151239CJ	FMST-100	FM stereo transmitter mini kit	5	37	INT	2.7 x 2.0	—	29.95	26.95
117604CJ	K1771	FM transmitter Kit	6	26	INT	1.8 x 2.8	—	10.19	9.99
211772CJ	MK118	FM radio Kit	—	65	INT	4.8 x 3.3	—	21.95	19.95
125161CJ	6063KT	One chip AM radio kit	7	39	INT	4.0 x 1.3 x 0.5	—	13.95	12.95
147643CJ	K4304	10 LED mono VU meter kit	—	36	INT	2.7 x 1.4	0.3	16.99	15.99
117612CJ	K1803	Universal mono pre-amplifier kit	—	17	INT	1.2 x 1.8	—	8.95	7.95
125111CJ	6027KT	1-watt amplifier kit	—	9	INT	1.2 x 1.2 x 0.9	—	6.29	5.59
127255CJ	K4001	7-watt amplifier kit	—	22	INT	2.2 x 1.4	—	13.95	12.49
136207CJ	8405KT	18-watt bridged mono amplifier kit	—	17	BEG	2.2 x 1.1	—	15.59	13.95
147838CJ	E-11	20-watt RMS amplifier module	—	—	—	2.8 x 2.8 x 1.6	—	24.95	22.49
129138CJ	K4003	30-watt stereo power amplifier	8	38	INT	2.8 x 2.0	—	29.95	26.95
127562CJ	K4401	Sound generator kit	9	61	INT	2.8 x 2.8	—	29.95	26.95
125137CJ	DK31	Siren kit	—	20	BEG	2.0 x 0.8 x 0.5	—	7.95	7.15
125170CJ	6101KT	Train sound generator kit	10	11	BEG	1.1 x 0.6 x 0.2	—	9.49	8.59
215394CJ	MK140	Karaoke kit	11	59	INT	3.9 x 3.3 x 1.0	—	15.95	14.35
313912CJ	B110	Stereo tone control kit	—	—	—	4.2 x 1.5	—	19.95	18.95
313921CJ	B009	Antenna amplifier kit	—	—	—	2.2 x 2.2	—	12.95	12.30
147571CJ	MK103	Voice activated LED kit	12	33	INT	2.5 x 1.6 x 1.4	0.1	$9.95	$8.95
Clock Kits									
319281CJ	K8009	Multifunction clock kit	13	—	—	9.9 x 3.1	—	$99.95	$94.50
319290CJ	B8009	Case for multifunction clock kit	—	—	—	12.4 x 3.2 x 1.0	—	24.95	23.70
Optical Communications									
177092CJ	IR-2	Infrared transmitter/receiver kit	—	26	BEG	1.4 x 1.2	0.1	$24.95	$22.49
169914CJ	IF-LMH	Fiber optic lab kit	14	—	—	—	0.7	46.89	42.29
Holiday Kits									
211781CJ	MK130	3D flashing Christmas tree kit	15	36	INT	3.1 x 3.5 x 4.0	—	$10.95	$9.95
211764CJ	MK116	Santa sleigh and reindeer kit	—	201	EXP	5.7 x 3.2	—	22.95	20.65
236072CJ	MK117	Deluxe Christmas tree kit	—	208	INT	3.2 x 5.6	—	19.99	17.99
147635CJ	MK100	Flashing Christmas tree kit	—	30	BEG	4.0 x 2.4	—	6.29	5.97
236081CJ	MK145	Flashing pumpkin kit	16	71	INT	1.3 x 4.0 x 3.2	—	9.99	8.99

KIT assembly experience level: BEG = beginner; INT = intermediate; EXP = expert

Ethernet Starter Kit



imagine tools

This starter kit is ideal for hobbyists, students and inventors who want to learn about C programming, TCP/IP programming and interfacing electronic devices with microprocessors. Fun and useful application projects take you step-by-step through hard-ware and software development. Hardware includes a RCM3700 Rabbit Microprocessor Core Module plus prototyping and breadboards (6.5"L x 2.2"W), 12VDC@1A power supply, serial cable, 2 Ethernet cables, 8Ω 400mW speaker, wiring kit, 10kΩ thermistor, 0.1mF capacitor, 10kΩ potentiometer, headers, and standoffs. Software includes Dynamic C lite, libraries and samples, as well as royalty free TCP/IP protocol stack. Mix and match project hardware and software to create a new application such as a WAV file player, DC and stepper motor controller, GPS clock, and much more.

Part No.	Description	Weight	Price
355004CJ	Ethernet starter kit	2 lbs.	$141.55

Part No.	Mfr. No.	Description	Fig.	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 10
Robotic and Computer Control Kits									
199603CJ	769K	Rockit robot expert kit	17	96	EXP	—	1.0	$21.95	$19.55
157366CJ	007	Robotic arm kit (unassembled)	18	109	EXP	—	4.5	74.95	67.49
159345CJ	007/IBM	Robotic controller software (DOS 4.2 & up, Windows® 95/98)		—	—		1.0	84.95	76.49
140821CJ	972K	Spider kit	19	107	EXP	12 x 7 x 3.5	1.2	49.95	43.95
200328CJ	MK127	Running micro bug kit	20	26	INT	4.0 x 2.4	0.2	18.95	16.95
200336CJ	MK129	Crawling micro bug kit	21	29	INT	4.0 x 2.4	0.2	21.45	19.35
128928CJ	K8000	Computer control interface kit	—	301	EXP	9.3 x 5.3	1.7	139.95	125.95
128910CJ	K6714	Universal relay controller card kit	—	64	EXP	8.3 x 5.9	1.8	59.95	53.95
120678CJ	K6501	Remote control by phone kit	—	116	EXP	4.1 x 5.1	0.7	69.49	62.59
285641CJ	561-4562	Hovercraft kit	22	25	BEG	—	0.8	21.79	20.69
239476CJ	K2633	Relay card kit (req. 9VDC@300mA power supply, 133891CJ, pg 186)	—	29	INT	3.0 x 2.7	0.4	19.99	18.99
Power Supply and Motor Kits									
117621CJ	K1823	1 amp power supply kit	—	12	INT	2.1 x 2.1	0.3	$12.95	$11.65
20626CJ	JE215	Dual adj. regulated power supply kit	—	48	INT	5.1 x 3.5 x 2.0	2.1	22.95	20.49
120539CJ	K8004	DC to pulse width modulator kit	—	40	EXP	3.3 x 1.9 x 1.8	0.5	22.95	20.49
127829CJ	DK67	DC motor speed control kit	—	35	INT	3.6 x 2.3 x 1.2	0.2	19.95	17.95
139109CJ	DK109	Unipolar stepper motor driver kit	—	29	INT	2.6 x 1.9 x 1.0	0.1	29.95	26.95
181833CJ	VM-1	DC voltage monitor kit	—	46	BEG	2.7 x 1.3	0.2	8.95	7.95
263628CJ	K8005	Stepper motor controller card and motor kit	—	102	INT	3.9 x 3.5	0.3	59.95	56.95
Battery Charger Kits									
314034CJ	B079	Universal NiCd charger kit	23	—	—	2.2 x 2.2	—	$15.95	$15.15
239521CJ	K8012	Lead acid battery charger kit	—	—	—	3.8 x 5.5 x 1.6	—	39.95	37.95
314211CJ	M149	Solar cell battery charger	—	—	—	2.5 x 2.0 x 1.1	—	16.95	16.05
Electronic Lock Kits									
127554CJ	K6400	Code lock kit	24	67	INT	1.7 x 1.8	0.5	$29.95	$26.95
Distance and Light Kits									
129120CJ	K3502	Parking radar kit	25	55	INT	4.9 x 1.9	0.5	$39.95	$34.95
117639CJ	K5300	Stroboscope kit	—	19	EXP	3.5 x 2.6	0.5	15.49	14.99
131684CJ	K8017	3-channel light organ kit	26	80	INT	6.7 x 5.6 x 1.7	1.2	49.95	39.95
157964CJ	LED1007	IR red illuminator kit	—	41	BEG	2" Dia.	0.1	16.95	15.29
125090CJ	DK20	Ultrasonic alarm kit	—	49	INT	2.8 x 2.0 x 0.9	0.1	29.95	26.95
134105CJ	OEM-ARN2	Voltage output distance sensor module	27	—	—	2.8 x 1.8 x 0.9	0.2	159.95	143.95
151482CJ	RS-232	RS-232 output distance sensor module	—	—	—	—	1.0	179.95	161.95
200310CJ	MK124	Scrolling message kit	—	76	INT	3.5 x 2.6 x 1.8	0.2	24.95	22.45
147555CJ	MK101	Flashing LED sweetheart kit	—	46	INT	2.5 x 2.4 x 1.2	0.1	11.95	10.95
147580CJ	MK102	Flashing LED kit	—	23	INT	1.3 x 1.4 x 0.6	0.1	7.95	7.19
136223CJ	DK-79C	Light sensitive relay kit	—	20	INT	2.4 x 1.3 x 1.0	0.1	12.95	11.65
285595CJ	SR-LBI	Build your own lightbulb kit	—	5	BEG	5.5 x 2.7 x 6.6	0.4	54.95	52.25
285616CJ	SR-LBI-R	Refurbishment pack for lightbulb kit	—	—	BEG	—	—	14.49	13.75
313875CJ	B224	Laser light show kit	28	—	—	—	—	22.95	21.80
286969CJ	LFB-10	Flashing LED American flag	29	—	—	1.2 x 0.7	—	3.99	3.79
Test and Measurement Kits									
20685CJ	JE2206	Function generator kit	—	21	INT	4.1 x 1.5	0.1	$24.95	$22.95
129091CJ	K7102	Metal detector kit	30	22	INT	2.1 x 2.1	0.4	11.95	10.95
157315CJ	MK108	Water leak alarm kit	—	7	BEG	2.8 x 1.8	0.1	10.95	9.95
313736CJ	B051	Gas/spirits sensor kit	—	—	—	—	—	29.95	28.45
313832CJ	B229	Clean air measuring kit	31	—	—	4.0 x 1.5	—	29.95	21.80
313904CJ	B160	LED VU meter kit	32	—	—	3.7 x 3.7	—	24.95	23.70

KIT assembly experience level: BEG = beginner; INT = intermediate; EXP = expert

Rockit Robot Expert Kit



Fig. 17

Parking Radar Kit



Fig. 25

Robotic Arm Kit



Fig. 18

3-Channel Light Organ Kit



Fig. 26

Spider Kit



Fig. 19

Voltage Output Distance Sensor Module

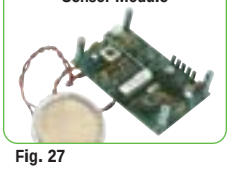


Fig. 27

Running Micro Bug Kit



Fig. 20

Laser Light Show Kit

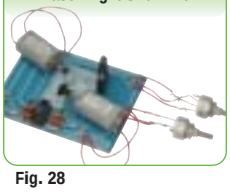


Fig. 28

Crawling Micro Bug Kit



Fig. 21

Flashing LED American Flag



Fig. 29

Hovercraft Kit



Fig. 22

Metal Detector Kit

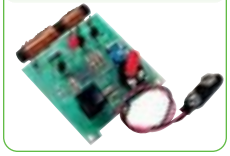


Fig. 30

Universal NiCd Charger Kit



Fig. 23

Clean Air Measuring Kit



Fig. 31

Code Lock Kit



Fig. 24

LED VU Meter Kit



Fig. 32

Edu & Hobby

Color Code Legend: New | Sale | Lower$ | QtySave

Eye-Catching Solar Powered Retail Display Device



Add eye-catching motion to your in-store advertising with this solar clip-on motion display. Just clip on to an existing fluorescent light blub, add your own signage, turn the lights on and your in-store advertising sign comes to life. Long-life solar motor turns your sign counter clockwise. No batteries or AC power to worry about. No need to worry about tripping your motion sensing alarm systems because you can simply switch off your fluorescent light and the movement stops.

Part No.	Description	1	10
215221CJ	Clip-on motion retail display	$16.89	$15.35

Portable Solar Battery Charger



Charge your batteries with free solar power. Inexpensive, easy and safe to use—completely self-contained unit, no moving parts or cords. Uses satellite type solar cells that produce the highest power to weight ratio. Compact and lightweight, you can carry this charger with you anywhere. Re-energizes carbon-zinc, alkaline, nickel-cadmium (NiCd), and nickel-metal-hydride (NiMH) batteries.

Includes: Battery adapter to charge, AA, C, and D type batteries.

SALE

Part No.	Description	Size	1	10
215239CJ	Solar pocket charger	3.6"L x 3.1"W x 1.5"D	$22.79	$20.69

Solar Button Cell Battery Charger



A convenient and safe way to revitalize worn down button cell batteries used in hearing aids, cameras, calculators, remote controls, clocks, alarms and more. LED indicator lets you know when the battery is being charged. Charges nickel-cadmium (NiCd), nickel-metal-hydride (NiMH), alkaline, mercury, and most zinc air (1.2V-1.5V) batteries.

SALE

Part No.	Description	Size	1	10
215247CJ	Solar button cell charger	2.3"L x 1.4"W	$11.65	$10.59

Motor and Gear Case



Combination motor and gear train in plastic case.

- Operates on 0.5-3.0V @ 0.5V
- Strong torque @ 3V: 41 g-cm
- Runs at 20mA
- Shaft diameter: 2mm
- 6 RPM

SALE

Part No.	Description	Size	1	10
215271CJ	Motor and gear case	3.0"L x 2.0"W x 1.5"D	$12.45	$11.29

Lasers

650nm Line and Dot Laser Diodes

143845CJ/173243CJ: Class IIIa Laser Product

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating voltage: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty


173243CJ

143845CJ: Line laser module

- Laser line width: 1mm
- Laser fan angle: 60°

173243CJ: Cross hair laser diode module

- Laser fan angle: 60°
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837CJ: Module regulated power supply

- Output: 5VDC @ 100mA
- Short circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.



143853CJ: Laser module mount

- Built to hold laser diode on target
- X-Y tilt, θ movement
- Tightening screw for tilt adjustment

Part No.	Description	1	10
143845CJ	Line laser diode module	$114.95	$103.95
173243CJ	Cross hair laser diode mod.	89.95	80.95
143837CJ	Regulated power supply	19.95	17.95
143853CJ	Laser diode module mount	49.95	39.95

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters/yards (daylight), 200 meters/yards (dark)
- Size: 0.9"L x 0.3"Dia.
- One-year warranty

Class IIIa Laser Product



Part No.	Description	Price
310519CJ	Laser module, brass	$44.95

Glass-Lens Red Laser Diode and Line Generator

133292CJ: Laser Diode Class IIIa Laser Product

This lens design uses 3-element glass to collect almost all the power from the laser diode resulting in a brighter spot than many typical laser applications.


133292CJ

- Operating voltage: 4.0–6.0VDC (recommend P/N 112070CJ, pg 185)
- Beam size at 7m: oval – 5mm x 8mm
- Maximum output: 4mW
- Wavelength: 660nm
- Beam divergence: 0.2mrad
- Green LED indicator
- Module size: 2.0"L x 0.5"W

134148CJ: 60° Line Generating Lens

- Adjustable focus range: 50 cm to ∞
- Back focal length: 1.5mm
- Focal length: 8.0mm
- Fan angle: 60°
- Beam divergence: 2.0mrad
- Lens construction: 3E.3G (glass)
- Length at 1 meter distance: 1.7 m

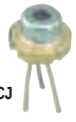

134148CJ

Part No.	Description	1	10	25
133292CJ	Glass laser diode	$44.95	$39.95	$35.95
134148CJ	60° lens	12.95	11.49	9.95

Laser Diode and Driver

182932CJ: Laser Diode Class IIIa Laser Product

- Optical output power: ≤5mW maximum
- Operating current: 30mA
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- 5.6mm packaging size
- Beam divergence of 11 degrees from center line maximum


182932CJ


161736CJ

161736CJ: Laser driver w/ regulator

- Input voltage: 2.6-6VDC
- Input current: 40mA

Part No.	Description	1	10	25
182932CJ	650nm laser diode	$11.95	$10.79	$9.69
161736CJ	Laser driver	7.95	6.95	6.25

ALPEC Laser Pointer Pens


153605CJ


127749CJ

- Range up to 500 yards
- 670nm red laser

Includes: 2 AAA batteries

Class IIIa Laser Products

Part No.	Description	Size (L" x Dia")	1	10
153605CJ	Black pen	5.2 x 0.4	$19.95	$17.95
127749CJ	Silver brass	5.4 x 0.4	21.95	19.95

Green Laser Pointer



Ultra-intense green beam is much brighter, goes much farther, and is easier on the eyes than standard red lasers.

Even the sleepiest audience will sit up and salute when you whip out a laser pointer that's green, not red… and so bright, you could be standing nearly half a mile away. Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night. You won't believe how bright it is.

- 90-day manufacture warranty

Includes: Metal gift box, clip and 2 AAA batteries

SALE

Hot Product!

Part No.	Description	Output Wavelength	Output Power	Price
223731CJ	Green laser pointer	532nm	<5mW	$152.25

Edu & Hobby

PAYMENT OPTIONS

Credit Card/Check Cards

We accept VISA, MasterCard, American Express and Discover. No surcharge. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address.

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No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

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Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

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In-Person: Visit Jameco at 1355 Shoreway Rd., Belmont, CA. Will-call office hours are 8:00 a.m. – 5:00 p.m. Monday – Friday.

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- Customer Service (custservice@Jameco.com)
- Credit Department (credit@Jameco.com)
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Please call us at 1-800-831-4242.

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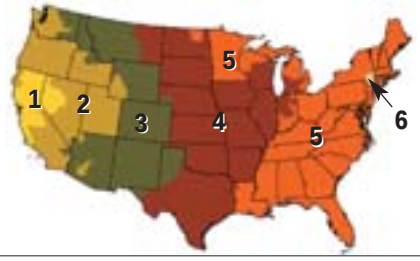
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Get answers to frequently asked questions on the Jameco website at:
http://www.Jameco.com

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)

1 day	2 days	3 days
4 days	5 days	6 days

Orders received Mon.–Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following Monday (except on holidays). If we are unable to fill your order on the day received, we will send you a gift certificate worth $5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval or backordered items.

Options and Rates*

Shipping delivery times are based on working days.

Ground Service
Up to 6 working days for commercial address (up to 9 working days for residential). Guaranteed delivery times may vary depending on zip code. $6.49 for 1st 2 lbs.; $0.79 for each additional lb.

2-Day Air Service
$13.95 for 1st 2 lbs.; $1.99 for each additional lb.

Next Day Air Service
- $31.95 for AM delivery for 1st 2 lbs.; $2.69 for each additional lb.
- $21.95 for afternoon delivery for 1st 2 lbs.; $2.49 for each additional lb.

Priority Mail (USPS)
$5.95 for 1st lb.; $1.49 for each additional lb. Order must be placed before 5:00 p.m. Eastern Standard Time to ship same day.

Packaging Weight
Packaging weight will be assessed at 1/2 lb., plus an additional 1/2 lb. for each 10 lbs. of product.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

International Shipping & Handling

Shipping is via courier or postal service, depending on your preference, insurance availability, and the size and weight of your package. Jameco will apply actual shipping charges with a nominal handling charge on all foreign orders. For mail-in customers, please include 25% for shipping charges or call for a shipping quotation. All returns that meet postal requirements must be sent prepaid via air parcel post. All courier shipments to Canada and Mexico require a certificate of origin.

POLICIES

Confirming Orders

Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

No Minimum Order

A $5.00 processing fee will be added to U.S. orders under $25.00. This fee will be waived on web orders. All international orders below $40.00 will incur a $7.50 processing fee.

See previous page for Ordering Information

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Company

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Fax Number

E-mail Address

☐ Please check this box if you prefer not to receive special offers via e-mail from Jameco.

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Company

Name Title

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City State Zip Code

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4

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1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

PRODUCT WEIGHT		SUB-TOTAL	
Packaging Weight (Add 1/2 lb. + 1/2 lb. for each 10 lbs. of product)			
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CMOS Logic, DIP

Save Up to 47%



Save 40% or more on you next CMOS logic purchase. Our recently-expanded offering includes 74ACT, 74AHCT & 4000 Series products on pages 19-23, 32 & 33.

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
211895CJ	74AC240	$0.30	$0.72	$0.66	$0.468	$0.168	35.9%
261614CJ	SN74AC240N, TI	$0.32	$0.72	$0.66	$0.468	$0.148	31.6%
13012CJ	CD4046	$0.30	$0.52	Not offered	$0.52	$0.22	42.3%
13071CJ	CD4050	$0.25	$0.48	$0.48	$0.48	$0.23	47.9%
13581CJ	CD4520	$0.33	$0.48	$0.95	$0.48	$0.15	31.3%

74ABT Series Logic, SMD

Save Up to 43%



Jameco offers great savings in logic products. Be sure to check out the great prices we offer in SMD devices too. See page 23 for more great savings!

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
290351CJ	74ABT125N	$0.36	$0.64	$0.68	$0.64	$0.28	43.8%
290378CJ	74ABT244AN	$0.59	$0.72	$1.41	$0.72	$0.13	18.1%
291194CJ	74ABT245BD	$0.59	$0.72	$0.89	$0.72	$0.13	18.1%
290415CJ	74ABT373N	$0.59	$0.72	$1.41	Not offered	$0.13	18.1%
291426CJ	74ABT541BD	$0.58	$0.80	$1.26	$0.80	$0.22	27.5%

74ALS Series Logic, DIP

Save Up to 40%



Jameco offers a broad selection of logic families to meet your design requirements, and each is priced to save you significant amounts of money. See page 32 for the 74ALS family.

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
245753CJ	74ALS240A	$0.49	$0.84	$0.99	$0.76	$0.27	35.5%
245761CJ	74ALS244A	$0.53	$0.76	$0.92	$0.76	$0.23	30.3%
245770CJ	74ALS245A	$0.45	$0.80	$0.96	$0.76	$0.31	40.8%
245809CJ	74ALS374A	$0.49	$0.76	$0.87	$0.76	$0.27	35.5%

74LS Series Logic

Save Up to 47%



Yes, even tried and tested logic products like 7400 and 74LS series are priced well below market price. Look to pages 29-31 for savings of 40% or more.

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
48004CJ	74LS74	$0.36	$0.53	$0.38	$0.53	$0.02	5.3%
47167CJ	74LS241	$0.36	$0.68	$1.30	$0.68	$0.32	47.1%
47870CJ	74LS541	$0.46	$0.88	$0.89	$0.88	$0.42	47.7%
308304CJ	SN74LS241N, TI	$0.40	$0.68	$1.30	$0.68	$0.28	41.2%
308523CJ	SN74LS541N, TI	$0.50	$0.88	$0.89	$0.88	$0.38	43.2%

Radial Electrolytic Capacitors

Save Up to 33%



Electrolytic capacitors may all look the same, but they'recertainly not priced the same! See pages 69-71, then reduce your costs by purchasing from Jameco.

Jameco Part No.	Description	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
93825CJ	470uF, 50V, 20%	$0.29	$0.52	$0.44	$0.436	$0.146	33.5%

Data Transmission

Save Up to 62%



Save more than 18% on devices to drive your communications signals reliably. See page 35 for our complete line of money-saving products.

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
50948CJ	75174N, DIP	$0.76	$1.44	$1.37	$1.44	$0.61	44.5%
24811CJ	MAX232CPE, DIP	$2.19	$3.31	$2.45	$3.19	$0.26	10.6%
23181CJ	DS1489N, DIP	$0.23	$0.50	$0.28	$1.04	$0.05	17.9%
16361CJ	DS14C88N, DIP	$0.57	$1.50	Not offered	$1.50	$0.93	62.0%
252427CJ	MC3486D, SOIC	$0.66	$0.80	Not offered	$1.32	$0.14	17.5%
252961CJ	MC3487D, SOIC	$0.65	$1.31	Not offered	$1.80	$0.66	50.4%
256081CJ	SN75189N, DIP	$0.69	$0.96	$0.86	$0.96	$0.17	19.8%

Operational Amplifiers

Save Up to 69%



Looking for a comparator or op amp at a great price? Take a look at our large selection on pages 41-44 and see how much money you can save when buying from Jameco!

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
22904CJ	LF347N, DIP	$0.36	$0.74	$0.56	$0.59	$0.20	35.7%
193640CJ	LF412CD, SOIC	$0.27	$0.87	$0.89	$0.87	$0.60	69.0%
212169CJ	LM324AN, DIP	$0.25	$0.48	$0.36	$0.975	$0.11	30.6%
246588CJ	LM358AM, SOIC	$0.23	$0.55	$0.34	$0.34	$0.11	32.4%
33187CJ	TL071CP, DIP	$0.27	$0.48	$0.59	$0.48	$0.21	43.8%
214084CJ	TL084ACN, DIP	$0.49	$0.88	Not offered	$0.88	$0.39	44.3%

Optocouplers

Save Up to 42%



Jameco offers a wide selection of optoisolators and each is priced to save you money. See page 57 for everything from switches to darlington and triac drivers.

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
277464CJ	4N36, DIP	$0.20	$0.56	Not offered	$0.56	$0.36	64.3%
277510CJ	6N135, DIP	$0.54	$0.86	$0.90	$0.86	$0.32	37.2%
277561CJ	H11A1, DIP	$0.27	$0.56	$0.47	$0.48	$0.20	42.6%
24918CJ	MCT6, DIP	$0.56	$0.84	$0.83	$0.84	$0.27	32.5%
277801CJ	MOC3022, DIP	$0.49	$0.77	$0.81	$0.77	$0.28	36.4%
277819CJ	MOC3023, DIP	$0.51	$0.77	$0.81	$0.58	$0.07	12.1%

Trimmer Potentiometers

Save Up to 28%



Be sure to take a look at our expanded selection of Jameco ValuePro™ and Bourns trimmer pots on pages 80-81. Each is priced to save you money!

Jameco Part No.	Description	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
253981CJ	1k, 1/2W	$0.59	$0.83	$0.83	$0.981	$0.24	28.9%
254676CJ	10k, 1/4W	$2.29	$3.58	$2.94	$3.64	$0.65	22.1%
254094CJ	10k, 1/2W	$0.59	$0.83	$0.83	$0.981	$0.24	28.9%
254035CJ	100k, 1/2W	$0.59	$0.83	$0.83	$0.981	$0.24	28.9%

Transistors

Save Up to 18%



Need a low-noise, small-signal amplifier or a high-power MOSFET switcher? Be sure to review our full selection of money-saving transistors on pages 46-48.

Jameco Part No.	Product No.	PRICES – See Below For Details Jameco®	Digi-Key®	Mouser®	Newark®	Minimum Savings	Discount
179354CJ	TIP31C, TO-220	$0.49	$0.60	Not offered	$0.60	$0.11	18.3%

More on Price Comparisons

These are single unit prices taken from each party's website on June 2, 2005 and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

Anachip Drop-in Replacement PLDs

Programmable Logic Devices (PLDs) can serve as a cornerstone to your designs, and Jameco is proud to carry the outstanding **Anachip/ICT** line.

Of course, **Anachip** PEEL™(Programmable Electrically Erasable Logic) technology can provide the "super-glue" to tie the sophisticated components in your design together. But the real **Anachip** advantage is drop-in replacement capability for products made by former competitors (like AMD, Intel, Philips, NSC and Cypress) who no longer manufacture PLDs.



With a full line of Anachip technology and Jameco pricing, you've now got a trusted, value-conscious source of high quality PLDs!

Check out our selection on page 18.

More ValuePro™ Capacitors, More Choices, More Savings!

Take "charge" of your bottom-line with Jameco's expanding line of quality ValuePro capacitors!

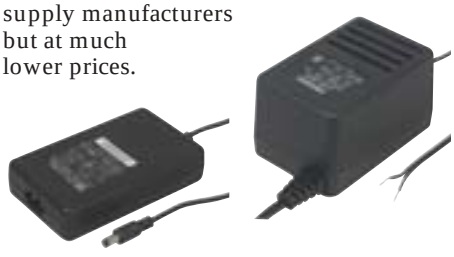
In every catalog we're expanding the selection of capacitors in our ValuePro line, adding the components our customers need to optimize their designs for quality and cost-efficiency. This time we've added even more than before, with popular caps in more values, styles and sizes. Non-polarized, electrolytic radial and electrolytic axial, monolithic ceramic; name the application, and chances are we've got a ValuePro capacitor to fill the bill!



See pages 68-74 for complete listing.

Need Reliable, Professional-Grade Table-Top Power? Think Jameco!

Juice-up your designs with reliable, cost-effective table-top power from these value-priced, rock-solid units. Manufactured to exacting tolerances, these UL/CUL/TUV/CB/CE-approved modules are directly equivalent to comparable table-top power supplies from other major brand-name power supply manufacturers but at much lower prices.



We've added more power see pages 178-182.

New 3.3 Volt Logic Families!

Low-voltage means less power consumption, and now Jameco supports your cutting-edge designs with some outstanding new selections of 3.3 volt ICs!

We have two logic families in this catalog, the 74LVC and 74ALVC series. We offer both 8-bit and 16-bit wide-bus configurations, with even more choices and versatility in the AVLC family. Plus, these products are available in SOIC and the latest Thin Shrink Small Outline Package (TSSOP) to fit perfectly with the ongoing transition to surface-mount designs. Both families are designed for 3-volt power supplies, and the high-speed ALVC devices are ideal for memory interfacing.



More logic is on the way, and more reasons to make Jameco your first choice in electronic components!

See page 32 for complete line.

RPM: ReliaPro™ Performance Motors!

Motors make your designs work, and **ReliaPro** motors deliver maximum performance at great prices. We've got a wide variety of motor types and sizes, with our customers' most-requested specs. Because you demand the best, every **ReliaPro** motor has passed our exhaustive multi-point review before it's ever listed in our catalog. That means you'll receive professional-grade quality, reliability and value in every one!





Complete listing on pages 135-138.

Great Functionality, BenchPro™ Quality!

Check out the **BenchPro** digital multimeters in this catalog. We know you need professional-grade quality, reliability and accuracy in your meter, and these units are the functional-equivalents to top-movers in the industry. But now, you can own them at unbelievably low Jameco prices!

Choose the features you need, make your selection from this new Jameco exclusive line, on pages 224-227 and your meter will be on its way to your bench. You'll be thrilled with the power and functionality plus the combination of both quality and value that only Jameco delivers!



For details see pages 224-227.

Jameco: Great Products. Awesome Prices. You'll Be Smiling Too!

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JAMECO ValuePro
- ✓ Awesome Prices
- ✓ Consistent Quality
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- ✓ Backed by Jameco

In every catalog, you'll see more and more products with the **ValuePro** designation. What this means is simple: When you choose **ValuePro**, you're selecting world-class quality and reliability, with trusted Jameco value, service and support.

ValuePro is our own house brand, an exclusive family of products and components that pass our highest standards of performance. When you build **ValuePro** products into your designs, you can trust that they'll be consistently reliable, compatible, available, and of course, value priced!



Available throughout pages 58-154.

Texas Instruments and Other Major Brand ICs

We just beefed up our line of 74AC, ACT and ALS ICs. Now you can select from Texas Instruments and other major brands, plus you'll save up to 20% and 30% respectively.



TEXAS INSTRUMENTS



And since they're placed side-by-side, you can easily compare the savings. Be sure to check out the IC section for our 74AC, 74ACT, 74ALS, 74HC and 74HCT product lines.



See pages 19-27 for details.

Connectors Galore!

Now you can purchase AMP, Amphenol and Molex connectors at Jameco's great low prices! Plus, you'll find the lowest prices on our line of D-Sub, UHF, BNC and power connectors. So whether you need data, RF or power connectors, you'll find the products you need at Jameco.



molex



Amphenol



AMP

See pages 106-128 for details.

Spare the Risk, Not the Quality!



Belden CDT

Jameco offers Belden cable, the undisputed leader in quality cabling, for your critical applications.

Check out the wide variety of stranded and solid-core, single and multi-conductor cables at our very competitive prices.

See pages 90-93 for details.

Your Complete Source for Power Supplies

Every project needs a high-quality power source, and whether you need medical grade or commercial grade, you can be sure you'll find the configuration you need at the lowest price available. We guarantee it!



Thumb through our power section for a complete selection of switching and linear, enclosed, open-frame, wall and table-top configurations.

See pages 160-188 for details.

JAMECO® ELECTRONICS

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